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* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 AUG 10 Time limit for inactive STN sessions doubles to 40
minutes
NEWS 3 AUG 18 COMPENDEX indexing changed for the Corporate Source
(CS) field
NEWS 4 AUG 24 ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS 5 AUG 24 CA/CAPplus enhanced with legal status information for
U.S. patents
NEWS 6 SEP 09 50 Millionth Unique Chemical Substance Recorded in
CAS REGISTRY
NEWS 7 SEP 11 WPIDS, WPINDEX, and WPIX now include Japanese FTERM
thesaurus
NEWS 8 OCT 21 Derwent World Patents Index Coverage of Indian and
Taiwanese Content Expanded
NEWS 9 OCT 21 Derwent World Patents Index enhanced with human
translated claims for Chinese Applications and
Utility Models
NEWS 10 NOV 23 Addition of SCAN format to selected STN databases
NEWS 11 NOV 23 Annual Reload of IFI Databases
NEWS 12 DEC 01 FRFULL Content and Search Enhancements
NEWS 13 DEC 01 DGENE, USGENE, and PCTGEN: new percent identity
feature for sorting BLAST answer sets
NEWS 14 DEC 02 Derwent World Patent Index: Japanese FI-TERM
thesaurus added
NEWS 15 DEC 02 PCTGEN enhanced with patent family and legal status
display data from INPADOCDB
NEWS 16 DEC 02 USGENE: Enhanced coverage of bibliographic and
sequence information

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:24:17 ON 10 DEC 2009

=>

=> file registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

7.04

7.04

FILE 'REGISTRY' ENTERED AT 13:43:19 ON 10 DEC 2009

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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 9 DEC 2009 HIGHEST RN 1196786-45-4

DICTIONARY FILE UPDATES: 9 DEC 2009 HIGHEST RN 1196786-45-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

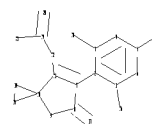
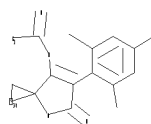
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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Uploading C:\Documents and Settings\vrodriguezgarci\My Documents\e-Red
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chain nodes :
12 13 16 17 18 19 20 21 22 23 24 25
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 14 15
chain bonds :
1-16 2-7 3-18 5-17 8-13 11-12 12-19 19-20 19-21 24-25
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 10-11 10-14 10-15 14-15
exact/norm bonds :
7-8 7-11 8-9 8-13 9-10 10-11 10-14 10-15 11-12 12-19 14-15 19-20 19-21
24-25
exact bonds :
1-16 2-7 3-18 5-17
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :
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G1:[*1],[*2],[*3]
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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:CLASS 13:CLASS 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:Atom 23:CLASS 24:CLASS 25:CLASS
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=> s sam sss l1
SAMPLE SEARCH INITIATED 13:50:19 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 34 TO ITERATE

100.0% PROCESSED 34 ITERATIONS 9 ANSWERS
SEARCH TIME: 00.00.01

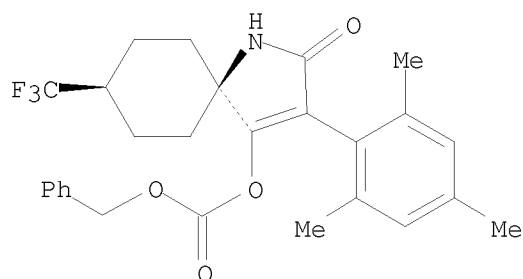
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 331 TO 1029
PROJECTED ANSWERS: 9 TO 360

L2 9 SEA SSS SAM L1

=> d sca

L2 9 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
IN Carbonic acid, cis-2-oxo-8-(trifluoromethyl)-3-(2,4,6-trimethylphenyl)-1-
azaspiro[4.5]dec-3-en-4-yl phenylmethyl ester (9CI)
MF C27 H28 F3 N O4

Relative stereochemistry.

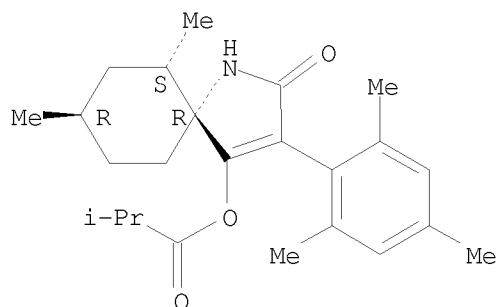


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 9 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
IN Propanoic acid, 2-methyl-, 6,8-dimethyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-
azaspiro[4.5]dec-3-en-4-yl ester, (5 α ,6 α ,8 β)- (9CI)
MF C24 H33 N O3

Relative stereochemistry.

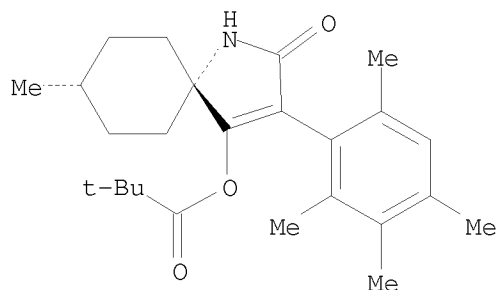


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 9 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
IN Propanoic acid, 2,2-dimethyl-, (5 α ,8 α)-8-methyl-2-oxo-3-(2,3,4,6-tetramethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester
MF C25 H35 N O3

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):exit
'EXIT' IS NOT VALID HERE

To display more answers, enter the number of answers you would like to see. To end the display, enter "NONE", "N", "0", or "END".

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d his

(FILE 'HOME' ENTERED AT 13:24:17 ON 10 DEC 2009)

FILE 'REGISTRY' ENTERED AT 13:43:19 ON 10 DEC 2009

L1 STRUCTURE UPLOADED

L2 9 S SAM SSS L1

=> s l1 full sss

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 185.40 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 13:52:11 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 781 TO ITERATE

100.0% PROCESSED 781 ITERATIONS

171 ANSWERS

SEARCH TIME: 00.00.01

L3 171 SEA SSS FUL L1

=> d l3

THE ESTIMATED COST FOR THIS REQUEST IS 2.05 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:n

REQUEST CANCELED

=> file zcaplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	193.08	200.12

FILE 'ZCAPLUS' ENTERED AT 13:52:41 ON 10 DEC 2009
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 10 Dec 2009 VOL 151 ISS 24
 FILE LAST UPDATED: 9 Dec 2009 (20091209/ED)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2009
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

ZCAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

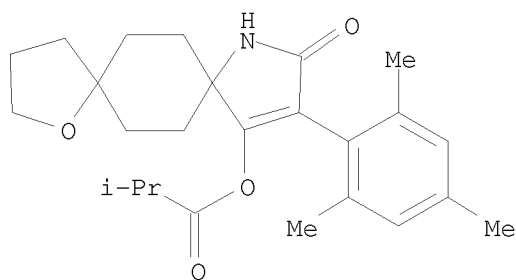
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13
 L4 20 L3

=> d ibib hitstr 1-20
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 DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

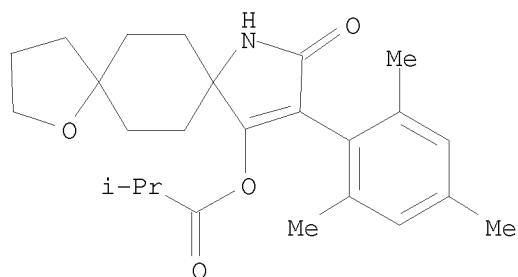
L4 ANSWER 1 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2009:139163 ZCAPLUS
 DOCUMENT NUMBER: 150:214157
 TITLE: Preparation of biphenylene tetramic acids as agrochemical herbicides
 INVENTOR(S): Bretschneider, Thomas; Fischer, Reiner; Lange, Gudrun; Lehr, Stefan; Arnold, Christian; Feucht, Dieter; Franken, Eva-Maria; Hills, Martin Jeffrey; Kehne, Heinz; Malsam, Olga; Rosinger, Christopher Hugh; Dittgen, Jan; Goergens, Ulrich; Haeuser-Hahn, Isolde
 PATENT ASSIGNEE(S): Bayer CropScience A.-G., Germany
 SOURCE: PCT Int. Appl., 190pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2009015801	A1	20090205	WO 2008-EP5973	20080722
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
EP 2020413	A1	20090204	EP 2007-113674	20070802
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS			
PRIORITY APPLN. INFO.:			EP 2007-113674	A 20070802
OTHER SOURCE(S):	MARPAT 150:214157			
IT	1111857-44-3P 1111857-47-6P 1111857-50-1P			
	1112392-46-7P 1112392-49-0P 1112392-61-6P			
	1112392-67-2P 1112392-69-4P 1113062-08-0P			
	1113062-09-1P 1113062-11-5P 1113062-12-6P			
	1113062-13-7P 1113062-14-8P			
RL:	AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)			
	(preparation of biphenyltetramic acids as agrochem. herbicides)			
RN	1111857-44-3 ZCAPLUS			
CN	Propanoic acid, 2-methyl-, cis-10-oxo-11-(2,4,6-trimethylphenyl)-1-oxa-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl ester (CA INDEX NAME)			



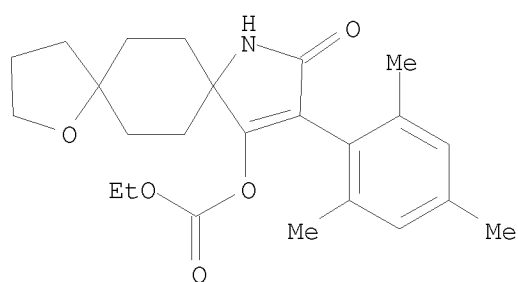
RN 1111857-47-6 ZCAPLUS

CN Propanoic acid, 2-methyl-, trans-10-oxo-11-(2,4,6-trimethylphenyl)-1-oxa-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl ester (CA INDEX NAME)



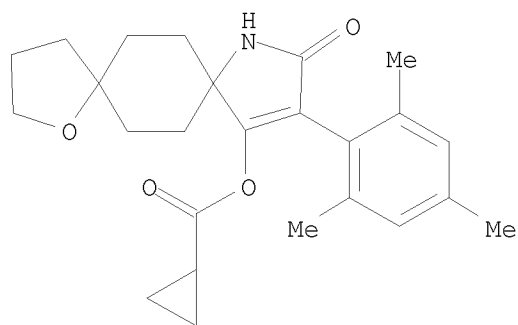
RN 1111857-50-1 ZCAPLUS

CN Carbonic acid, ethyl cis-10-oxo-11-(2,4,6-trimethylphenyl)-1-oxa-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl ester (CA INDEX NAME)



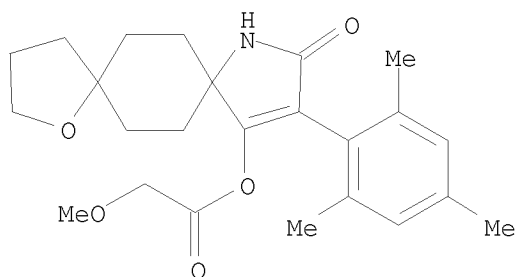
RN 1112392-46-7 ZCAPLUS

CN Cyclopropanecarboxylic acid, trans-10-oxo-11-(2,4,6-trimethylphenyl)-1-oxa-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl ester (CA INDEX NAME)

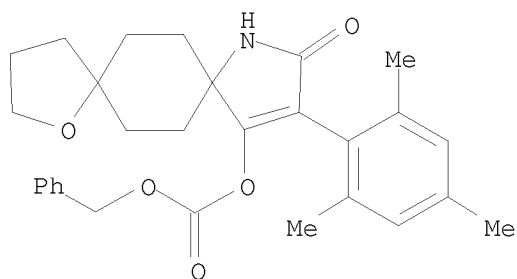


RN 1112392-49-0 ZCAPLUS

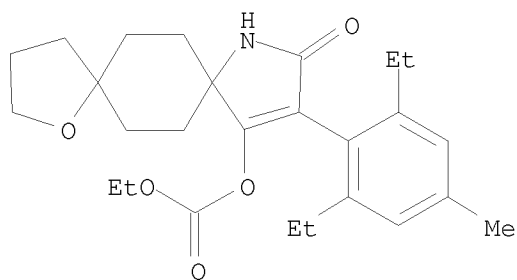
CN Acetic acid, 2-methoxy-, trans-10-oxo-11-(2,4,6-trimethylphenyl)-1-oxa-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl ester (CA INDEX NAME)



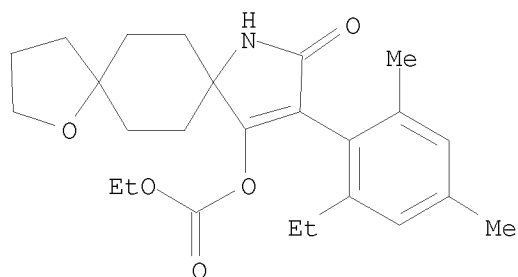
RN 1112392-61-6 ZCAPLUS
 CN Carbonic acid, trans-10-oxo-11-(2,4,6-trimethylphenyl)-1-oxa-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl phenylmethyl ester (CA INDEX NAME)



RN 1112392-67-2 ZCAPLUS
 CN Carbonic acid, cis-11-(2,6-diethyl-4-methylphenyl)-10-oxo-1-oxa-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl ethyl ester (CA INDEX NAME)

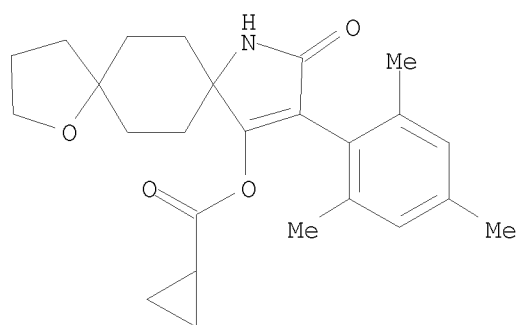


RN 1112392-69-4 ZCAPLUS
 CN Carbonic acid, ethyl cis-11-(2-ethyl-4,6-dimethylphenyl)-10-oxo-1-oxa-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl ester (CA INDEX NAME)



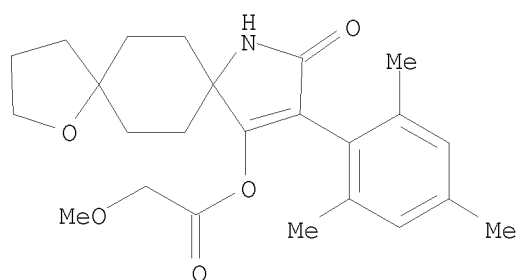
RN 1113062-08-0 ZCAPLUS

CN Cyclopropanecarboxylic acid, cis-10-oxo-11-(2,4,6-trimethylphenyl)-1-oxa-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl ester (CA INDEX NAME)



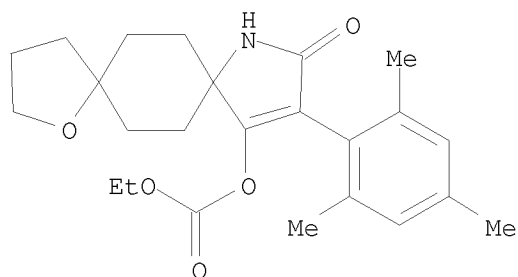
RN 1113062-09-1 ZCAPLUS

CN Acetic acid, 2-methoxy-, cis-10-oxo-11-(2,4,6-trimethylphenyl)-1-oxa-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl ester (CA INDEX NAME)



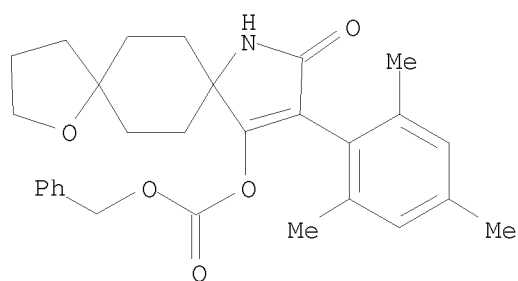
RN 1113062-11-5 ZCAPLUS

CN Carbonic acid, ethyl trans-10-oxo-11-(2,4,6-trimethylphenyl)-1-oxa-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl ester (CA INDEX NAME)



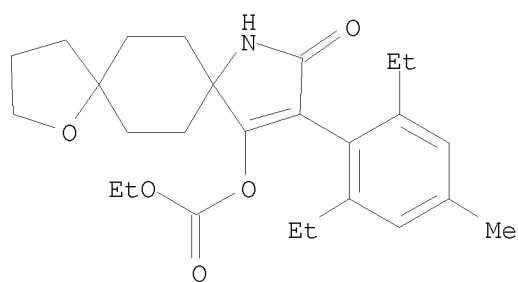
RN 1113062-12-6 ZCAPLUS

CN Carbonic acid, cis-10-oxo-11-(2,4,6-trimethylphenyl)-1-oxa-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl phenylmethyl ester (CA INDEX NAME)



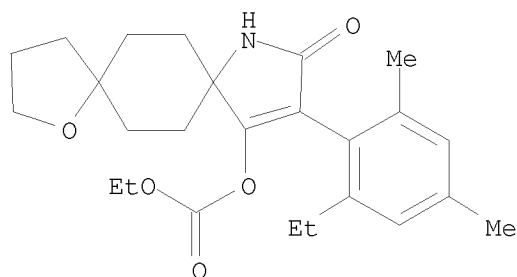
RN 1113062-13-7 ZCAPLUS

CN Carbonic acid, trans-11-(2,6-diethyl-4-methylphenyl)-10-oxo-1-oxa-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl ethyl ester (CA INDEX NAME)



RN 1113062-14-8 ZCAPLUS

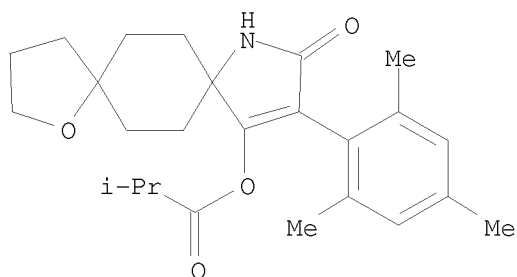
CN Carbonic acid, ethyl trans-11-(2-ethyl-4,6-dimethylphenyl)-10-oxo-1-oxa-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl ester (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

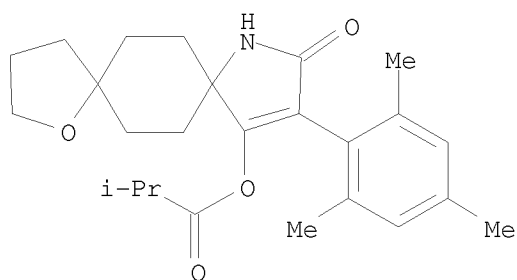
L4 ANSWER 2 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2009:132095 ZCAPLUS
 DOCUMENT NUMBER: 150:214156
 TITLE: Preparation of phenyltetramic acids as agrochemical herbicides
 PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany
 SOURCE: Eur. Pat. Appl., 102pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 2020413	A1	20090204	EP 2007-113674	20070802
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WO 2009015801	A1	20090205	WO 2008-EP5973	20080722
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			EP 2007-113674	A 20070802
IT 1111857-44-3P	1111857-47-6P	1111857-50-1P		
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)				
(preparation of phenyltetramic acids as agrochem. herbicides)				
RN 1111857-44-3	ZCAPLUS			
CN Propanoic acid, 2-methyl-, cis-10-oxo-11-(2,4,6-trimethylphenyl)-1-oxa-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl ester (CA INDEX NAME)				



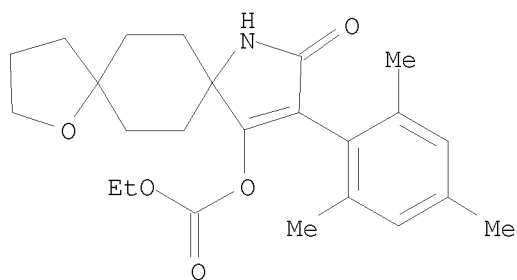
RN 1111857-47-6 ZCAPLUS

CN Propanoic acid, 2-methyl-, trans-10-oxo-11-(2,4,6-trimethylphenyl)-1-oxa-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl ester (CA INDEX NAME)



RN 1111857-50-1 ZCAPLUS

CN Carbonic acid, ethyl cis-10-oxo-11-(2,4,6-trimethylphenyl)-1-oxa-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl ester (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2007:702933 ZCAPLUS

DOCUMENT NUMBER: 147:118128

TITLE: Preparation of alkylthiospirocyclohexyl substituted tetramic acids as herbicides

INVENTOR(S): Fischer, Reiner; Lehr, Stefan; Feucht, Dieter; Franken, Eva-Maria; Malsam, Olga; Bojack, Guido; Arnold, Christian; Hills, Martin Jeffrey; Kehne, Heinz; Rosinger, Christopher Hugh

PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany

SOURCE: Ger. Offen., 77pp.

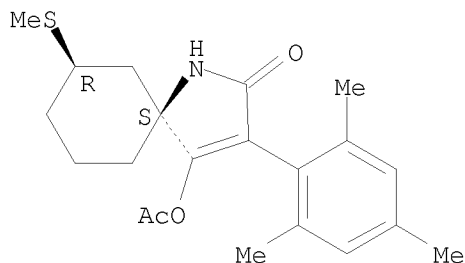
CODEN: GWXXBX

DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102005059892	A1	20070628	DE 2005-102005059892	20051215

PRIORITY APPLN. INFO.: DE 2005-102005059892 20051215
 OTHER SOURCE(S): CASREACT 147:118128; MARPAT 147:118128
 IT 942592-33-8P
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of alkylthiospirocyclohexyl substituted tetramic acids as herbicides)
 RN 942592-33-8 ZCAPLUS
 CN 1-Azaspiro[4.5]dec-3-en-2-one, 4-(acetyloxy)-7-(methylthio)-3-(2,4,6-trimethylphenyl)-, (5R,7S)-rel- (CA INDEX NAME)

Relative stereochemistry.



L4 ANSWER 4 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2007:486207 ZCAPLUS
 DOCUMENT NUMBER: 146:456840
 TITLE: Preparation of alkoxyalkyl spirocyclic tetramic acids and tetronic acids as fungicides, herbicides and insecticides
 INVENTOR(S): Fischer, Reiner; Gaertzen, Oliver; Lehr, Stefan; Feucht, Dieter; Malsam, Olga; Drewes, Mark Wilhelm; Franken, Eva-Maria; Arnold, Christian; Auler, Thomas; Hills, Martin Jeffrey; Kehne, Heinz; Rosinger, Chris Hugh; Bretschneider, Thomas; Bojack, Guido; Dittgen, Jan
 PATENT ASSIGNEE(S): Bayer CropScience A.-G., Germany
 SOURCE: PCT Int. Appl., 211 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007048545	A2	20070503	WO 2006-EP10130	20061020
WO 2007048545	A3	20070712		

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MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
 RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
 TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
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 DE 102005051325 A1 20070503 DE 2005-102005051325 20051027
 AU 2006308203 A1 20070503 AU 2006-308203 20061020
 CA 2627240 A1 20070503 CA 2006-2627240 20061020
 EP 1943218 A2 20080716 EP 2006-840920 20061020
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 IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR
 JP 2009513588 T 20090402 JP 2008-536978 20061020
 IN 2008DN03240 A 20080704 IN 2008-DN3240 20080421
 MX 2008005292 A 20080507 MX 2008-5292 20080423
 KR 2008065670 A 20080714 KR 2008-712511 20080526
 CN 101346351 A 20090114 CN 2006-80049305 20080626
 US 20090215624 A1 20090827 US 2009-83691 20090504
 PRIORITY APPLN. INFO.: DE 2005-102005051325A 20051027
 WO 2006-EP10130 W 20061020

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 146:456840

IT 934819-79-1P 934819-86-0P 934819-99-5P
 934820-04-9P 934820-08-3P 934820-11-8P
 934820-29-8P 934820-30-1P

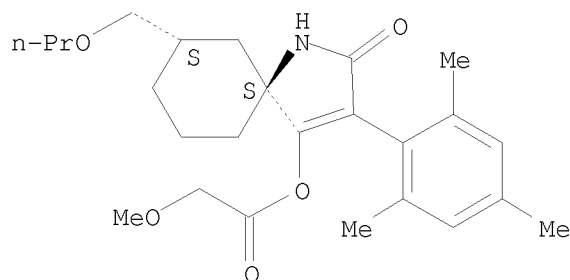
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological
 study); PREP (Preparation); USES (Uses)

(preparation as fungicide, herbicide and insecticide)

RN 934819-79-1 ZCAPLUS

CN Acetic acid, 2-methoxy-, (5R,7R)-2-oxo-7-(propoxymethyl)-3-(2,4,6-
 trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

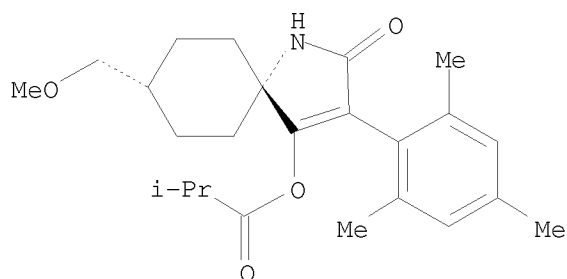
Relative stereochemistry.



RN 934819-86-0 ZCAPLUS

CN Propanoic acid, 2-methyl-, cis-8-(methoxymethyl)-2-oxo-3-(2,4,6-
 trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)

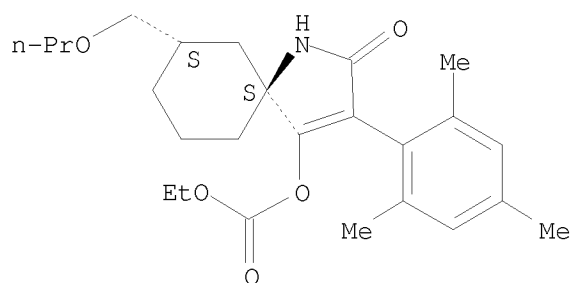
Relative stereochemistry.



RN 934819-99-5 ZCAPLUS

CN Carbonic acid, ethyl (5R,7R)-2-oxo-7-(propoxymethyl)-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

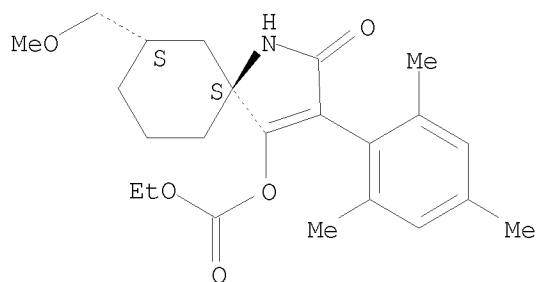
Relative stereochemistry.



RN 934820-04-9 ZCAPLUS

CN Carbonic acid, ethyl (5R,7R)-7-(methoxymethyl)-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

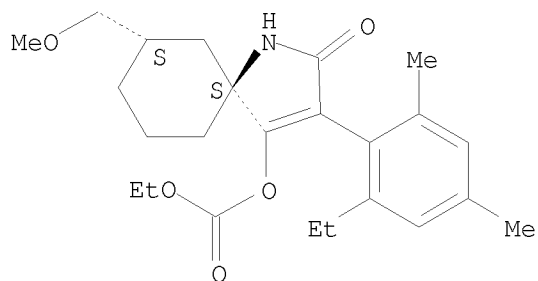
Relative stereochemistry.



RN 934820-08-3 ZCAPLUS

CN Carbonic acid, ethyl (5R,7R)-3-(2-ethyl-4,6-dimethylphenyl)-7-(methoxymethyl)-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

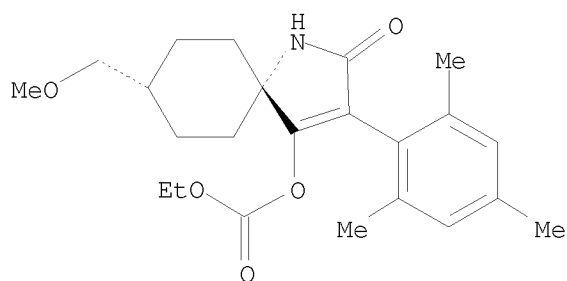
Relative stereochemistry.



RN 934820-11-8 ZCAPLUS

CN Carbonic acid, ethyl cis-8-(methoxymethyl)-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)

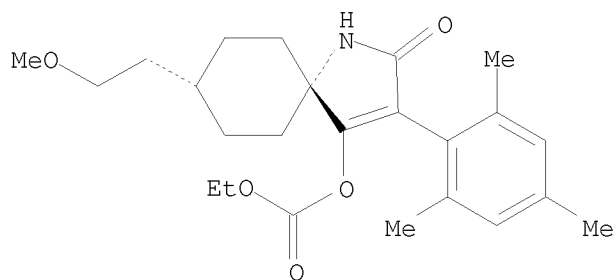
Relative stereochemistry.



RN 934820-29-8 ZCAPLUS

CN Carbonic acid, ethyl 8-(2-methoxyethyl)-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)

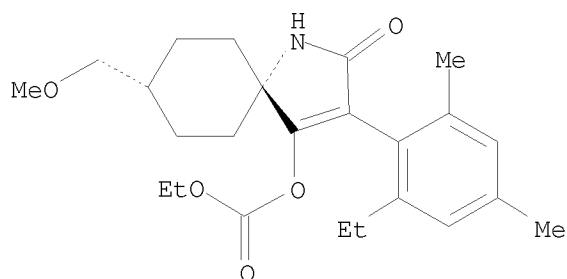
Relative stereochemistry.



RN 934820-30-1 ZCAPLUS

CN Carbonic acid, ethyl 3-(2-ethyl-4,6-dimethylphenyl)-8-(methoxymethyl)-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)

Relative stereochemistry.

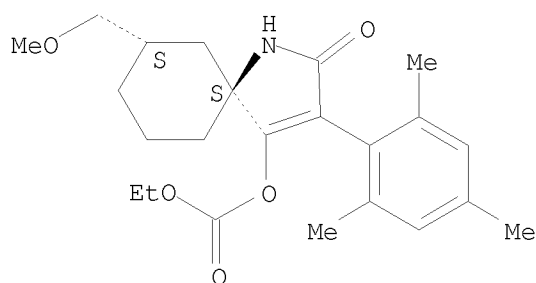


IT 934822-06-7
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (safened herbicidal composition)
 RN 934822-06-7 ZCAPLUS
 CN Carbonic acid, ethyl (5R,7R)-7-(methoxymethyl)-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel-, mixt. with N-[[4-[(cyclopropylamino)carbonyl]phenyl]sulfonyl]-2-methoxybenzamide (CA INDEX NAME)

CM 1

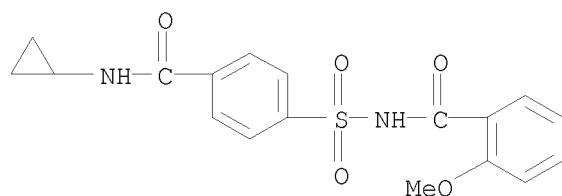
CRN 934820-04-9
 CMF C23 H31 N O5

Relative stereochemistry.



CM 2

CRN 221667-31-8
 CMF C18 H18 N2 O5 S



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
 (1 CITINGS)

L4 ANSWER 5 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2006:849886 ZCAPLUS

DOCUMENT NUMBER: 145:271639
 TITLE: Preparation of 4-hydroxy-3-phenyl-2H-pyrrol-2-ones and related compounds as pesticides
 INVENTOR(S): Bretschneider, Thomas; Fischer, Reiner; Gaertzen, Oliver; Lehr, Stefan; Drewes, Mark Wilhelm; Feucht, Dieter; Malsam, Olga; Reckmann, Udo; Arnold, Christian; Auler, Thomas; Hempel, Waltraud; Hills, Martin; Kehne, Heinz; Sanwald, Erich
 PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany
 SOURCE: Ger. Offen., 117pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102005008021	A1	20060824	DE 2005-102005008021	20050222
AU 2006218154	A1	20060831	AU 2006-218154	20060208
CA 2597777	A1	20060831	CA 2006-2597777	20060208
WO 2006089633	A2	20060831	WO 2006-EP1089	20060208
WO 2006089633	A3	20061123		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
EP 1855529	A2	20071121	EP 2006-701829	20060208
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JP 2008531486	T	20080814	JP 2007-555500	20060208
BR 200607807	A2	20090613	BR 2006-7807	20060228
ZA 2007006980	A	20081126	ZA 2007-6980	20070817
MX 2007010111	A	20070925	MX 2007-10111	20070820
KR 2007106554	A	20071101	KR 2007-720676	20070910
CN 101160049	A	20080409	CN 2006-80012797	20071017
US 20080305955	A1	20081211	US 2008-884887	20080403
PRIORITY APPLN. INFO.:			DE 2005-102005008021A	20050222
			WO 2006-EP1089	20060208

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): CASREACT 145:271639; MARPAT 145:271639

IT 907187-42-2P 907187-45-5P 907187-46-6P

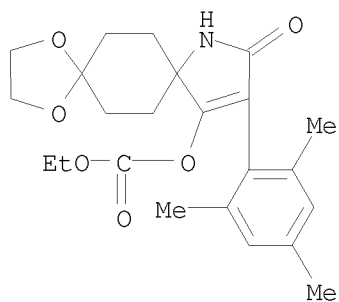
907187-51-3P 907187-55-7P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of hydroxyphenylpyrrolones and related compds. as pesticides)

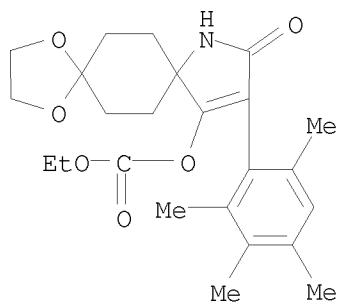
RN 907187-42-2 ZCAPLUS

CN Carbonic acid, ethyl 10-oxo-11-(2,4,6-trimethylphenyl)-1,4-dioxo-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl ester (9CI) (CA INDEX NAME)



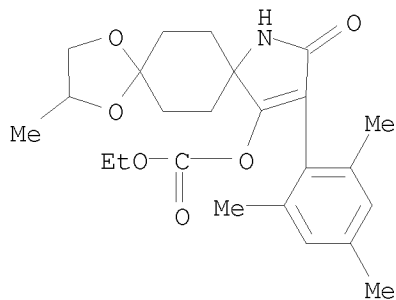
RN 907187-45-5 ZCAPLUS

CN Carbonic acid, ethyl 10-oxo-11-(2,3,4,6-tetramethylphenyl)-1,4-dioxaspiro[4.2.4.2]tetradec-11-en-12-yl ester (9CI) (CA INDEX NAME)



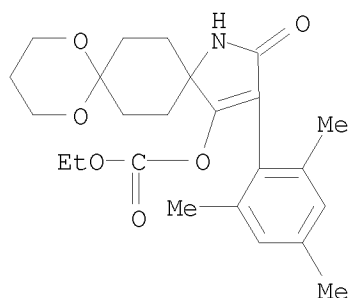
RN 907187-46-6 ZCAPLUS

CN Carbonic acid, ethyl 2-methyl-10-oxo-11-(2,4,6-trimethylphenyl)-1,4-dioxaspiro[4.2.4.2]tetradec-11-en-12-yl ester (9CI) (CA INDEX NAME)

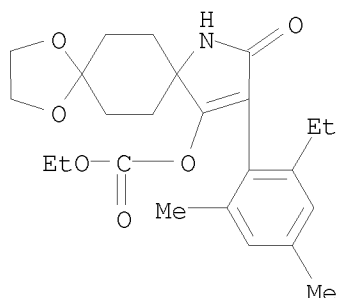


RN 907187-51-3 ZCAPLUS

CN Carbonic acid, 1,2-dihydro-2-oxo-3-(2,4,6-trimethylphenyl)-9,13-dioxaspiro[4.2.5.2]pentadec-3-en-4-yl ethyl ester (9CI) (CA INDEX NAME)



RN 907187-55-7 ZCAPLUS
 CN Carbonic acid, ethyl 11-(2-ethyl-4,6-dimethylphenyl)-10-oxo-1,4-dioxa-9-azadispiro[4.2.4.2]tetradec-11-en-12-yl ester (9CI) (CA INDEX NAME)



OS.CITING REF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD
 (5 CITINGS)

L4 ANSWER 6 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:444415 ZCAPLUS

DOCUMENT NUMBER: 144:468016

TITLE: Preparation of
 1,5-dihydro-4-hydroxy-3-phenyl-2H-pyrrol-2-ones and
 related compounds as pesticides

INVENTOR(S): Fischer, Reiner; Lehr, Stefan; Drewes, Mark Wilhelm;
 Feucht, Dieter; Malsam, Olga; Bojack, Guido; Arnold,
 Christian; Auler, Thomas; Hills, Martin; Kehne, Heinz

PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany

SOURCE: Ger. Offen., 74 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

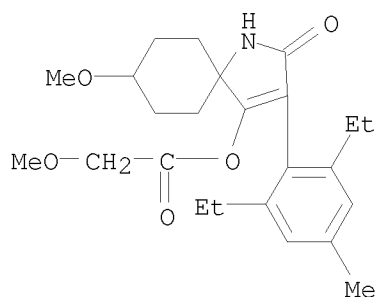
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

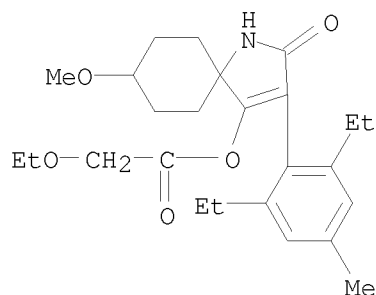
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102004053191	A1	20060511	DE 2004-102004053191	20041104
AU 2005309077	A1	20060601	AU 2005-309077	20051021
CA 2595602	A1	20060601	CA 2005-2595602	20051021
WO 2006056282	A1	20060601	WO 2005-EP11343	20051021

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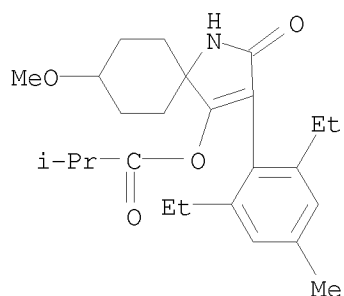
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 YU, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
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 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
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 EP 1809635 A1 20070725 EP 2005-797955 20051021
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 IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR
 CN 101094855 A 20071226 CN 2005-80045644 20051021
 BR 2005015718 A 20080805 BR 2005-15718 20051021
 IN 2007DN03213 A 20070831 IN 2007-DN3213 20070430
 US 20080318776 A1 20081225 US 2008-666870 20080324
 PRIORITY APPLN. INFO.: DE 2004-102004053191A 20041104
 WO 2005-EP11343 W 20051021
 ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 OTHER SOURCE(S): CASREACT 144:468016; MARPAT 144:468016
 IT 886230-59-7P 886230-60-0P 886230-61-1P
 886230-66-6P
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN
 (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (preparation of hydroxyphenylpyrrolones and related compds. as pesticides)
 RN 886230-59-7 ZCAPLUS
 CN Acetic acid, 2-methoxy-, 3-(2,6-diethyl-4-methylphenyl)-8-methoxy-2-oxo-1-
 azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



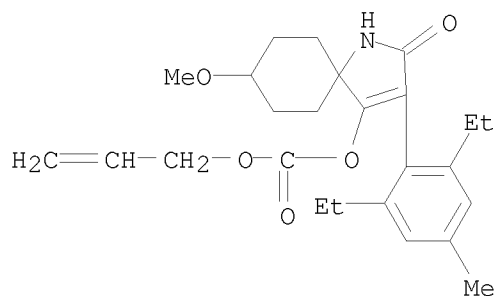
RN 886230-60-0 ZCAPLUS
 CN Acetic acid, 2-ethoxy-, 3-(2,6-diethyl-4-methylphenyl)-8-methoxy-2-oxo-1-
 azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



RN 886230-61-1 ZCAPLUS
 CN Propanoic acid, 2-methyl-, 3-(2,6-diethyl-4-methylphenyl)-8-methoxy-2-oxo-1-
 azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



RN 886230-66-6 ZCAPLUS
 CN Carbonic acid, 3-(2,6-diethyl-4-methylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl 2-propen-1-yl ester (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
 (1 CITINGS)

L4 ANSWER 7 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2006:15861 ZCAPLUS
 DOCUMENT NUMBER: 144:108201
 TITLE: Preparation of 3-alkoxylspirotetramic acids and related compounds as pesticides
 INVENTOR(S): Fischer, Reiner; Gaertzen, Oliver; Lehr, Stefan; Bretschneider, Thomas; Feucht, Dieter; Malsam, Olga; Arnold, Christian; Auler, Thomas; Hills, Martin Jeffrey; Kehne, Heinz; Rosinger, Chris; De; De
 PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany
 SOURCE: PCT Int. Appl., 239 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006000355	A1	20060105	WO 2005-EP6588	20050618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,				

IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF,
CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM,
KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG,
KZ, MD, RU, TJ, TM

DE 102004030753	A1	20060119	DE 2004-102004030753	20040625
AU 2005256426	A1	20060105	AU 2005-256426	20050618
CA 2572141	A1	20060105	CA 2005-2572141	20050618
EP 1761490	A1	20070314	EP 2005-754755	20050618

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR

CN 101006056	A	20070725	CN 2005-80028500	20050618
BR 2005011071	A	20071127	BR 2005-11071	20050618
JP 2008503521	T	20080207	JP 2007-517166	20050618
IN 2006DN07760	A	20070817	IN 2006-DN7760	20061220
ZA 2006010747	A	20080730	ZA 2006-10747	20061220
MX 2006015186	A	20080911	MX 2006-15186	20061220
KR 2007035045	A	20070329	KR 2007-701626	20070123
US 20090029858	A1	20090129	US 2007-630246	20071009

PRIORITY APPLN. INFO.:

DE 2004-102004030753A	20040625
WO 2005-EP6588	W 20050618

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 144:108201

IT 872844-96-7P	872845-11-9P	872845-15-3P
872845-16-4P	872845-19-7P	872845-20-0P
872845-21-1P	872845-22-2P	872845-26-6P
872845-28-8P	872845-29-9P	872845-30-2P
872845-31-3P	872845-32-4P	872845-39-1P
872845-48-2P	872845-49-3P	872845-50-6P
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872845-85-7P	872845-86-8P	

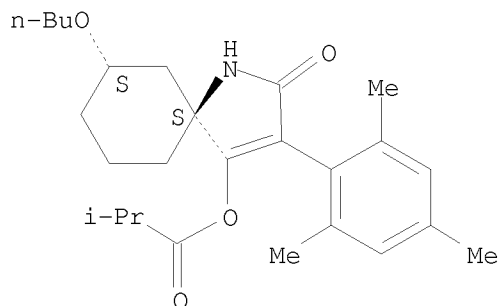
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN
(Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(preparation of 3-alkoxylspirotetramic acids and related compds. as
pesticides)

RN 872844-96-7 ZCAPLUS

CN Propanoic acid, 2-methyl-, (5R,7R)-7-butoxy-2-oxo-3-(2,4,6-
trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

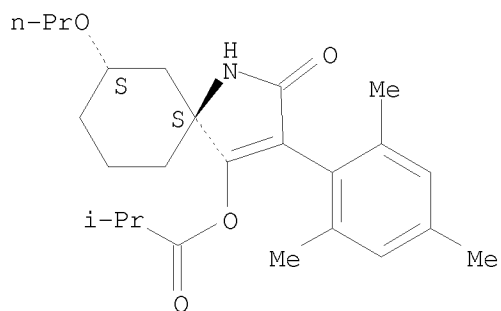
Relative stereochemistry.



RN 872845-11-9 ZCAPLUS

CN Propanoic acid, 2-methyl-, (5R,7R)-2-oxo-7-propoxy-3-(2,4,6-
trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

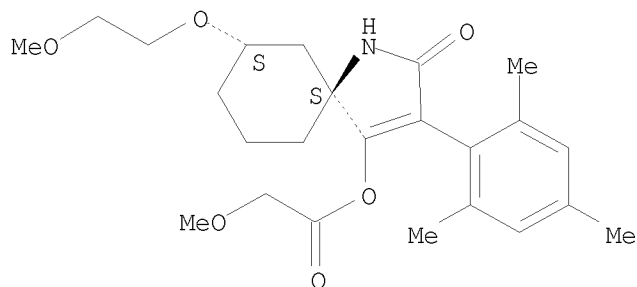
Relative stereochemistry.



RN 872845-15-3 ZCAPLUS

CN Acetic acid, 2-methoxy-, (5R,7R)-7-(2-methoxyethoxy)-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

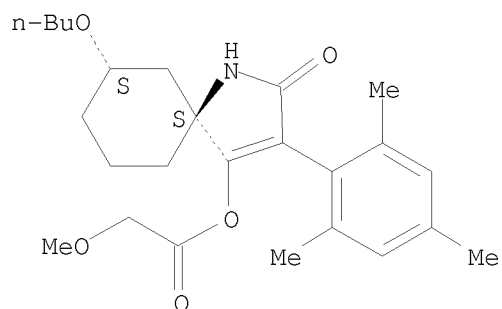
Relative stereochemistry.



RN 872845-16-4 ZCAPLUS

CN Acetic acid, 2-methoxy-, (5R,7R)-7-butoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

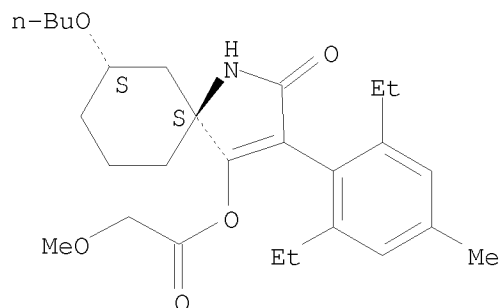
Relative stereochemistry.



RN 872845-19-7 ZCAPLUS

CN Acetic acid, 2-methoxy-, (5R,7R)-7-butoxy-3-(2,6-diethyl-4-methylphenyl)-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

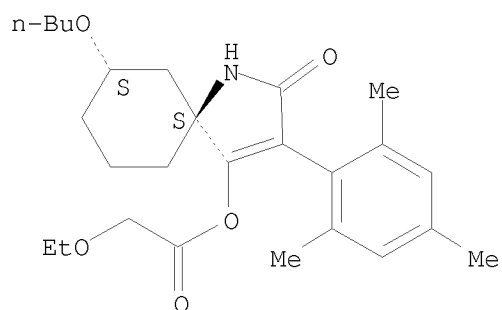
Relative stereochemistry.



RN 872845-20-0 ZCAPLUS

CN Acetic acid, 2-ethoxy-, (5R,7R)-7-butoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

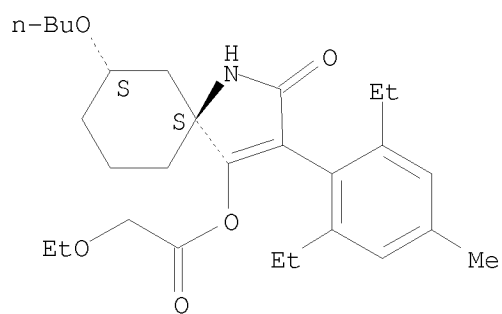
Relative stereochemistry.



RN 872845-21-1 ZCAPLUS

CN Acetic acid, 2-ethoxy-, (5R,7R)-7-butoxy-3-(2,6-diethyl-4-methylphenyl)-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

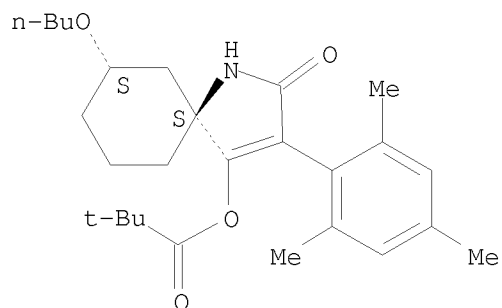
Relative stereochemistry.



RN 872845-22-2 ZCAPLUS

CN Propanoic acid, 2,2-dimethyl-, (5R,7R)-7-butoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

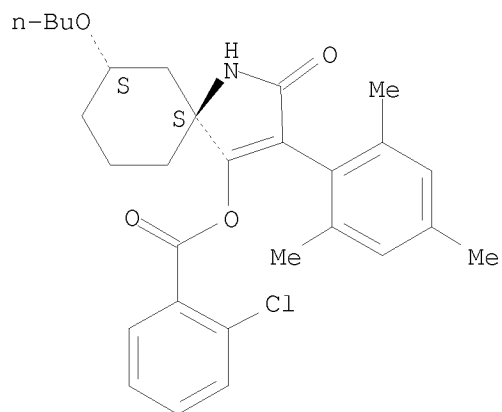
Relative stereochemistry.



RN 872845-26-6 ZCAPLUS

CN Benzoic acid, 2-chloro-, (5R,7R)-7-butoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

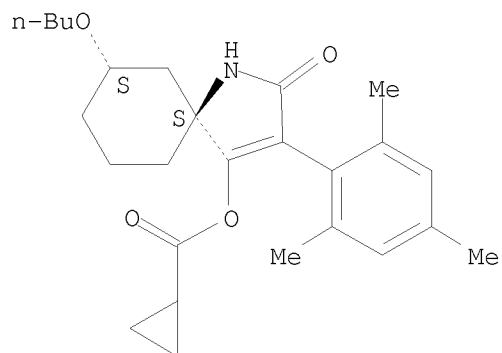
Relative stereochemistry.



RN 872845-28-8 ZCAPLUS

CN Cyclopropanecarboxylic acid, (5R,7R)-7-butoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

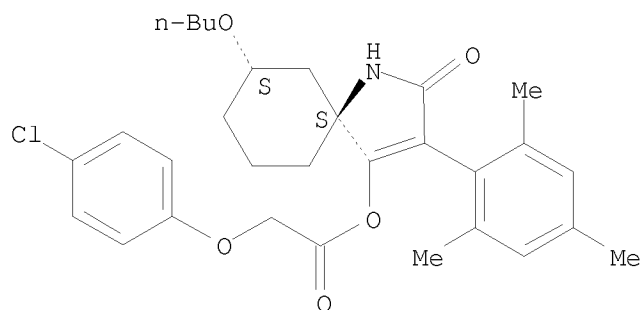
Relative stereochemistry.



RN 872845-29-9 ZCAPLUS

CN Acetic acid, 2-(4-chlorophenoxy)-, (5R,7R)-7-butoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

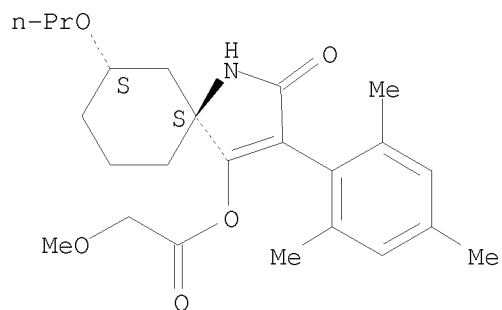
Relative stereochemistry.



RN 872845-30-2 ZCAPLUS

CN Acetic acid, 2-methoxy-, (5R,7R)-2-oxo-7-propoxy-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

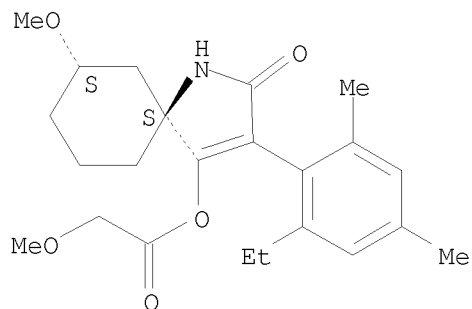
Relative stereochemistry.



RN 872845-31-3 ZCAPLUS

CN Acetic acid, 2-methoxy-, (5R,7R)-3-(2-ethyl-4,6-dimethylphenyl)-7-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

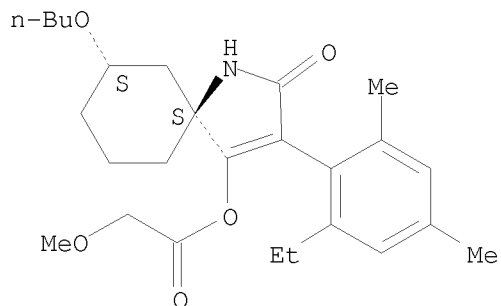
Relative stereochemistry.



RN 872845-32-4 ZCAPLUS

CN Acetic acid, 2-methoxy-, (5R,7R)-7-butoxy-3-(2-ethyl-4,6-dimethylphenyl)-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

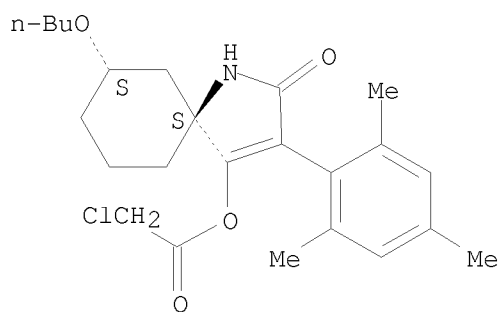
Relative stereochemistry.



RN 872845-39-1 ZCAPLUS

CN Acetic acid, 2-chloro-, (5R,7R)-7-butoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (CA INDEX NAME)

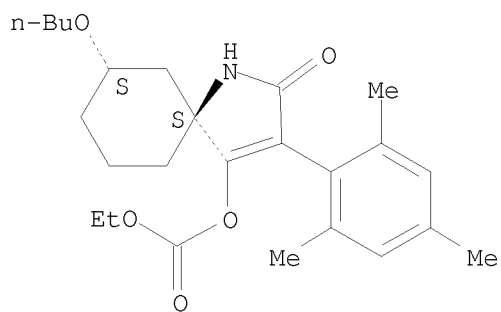
Relative stereochemistry.



RN 872845-48-2 ZCAPLUS

CN Carbonic acid, (5R,7R)-7-butoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, rel- (CA INDEX NAME)

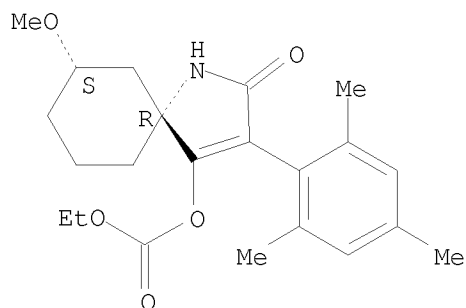
Relative stereochemistry.



RN 872845-49-3 ZCAPLUS

CN Carbonic acid, ethyl (5R,7S)-7-methoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (9CI) (CA INDEX NAME)

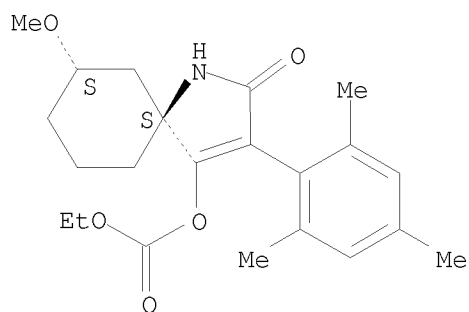
Relative stereochemistry.



RN 872845-50-6 ZCAPLUS

CN Carbonic acid, ethyl (5R,7R)-7-methoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (9CI) (CA INDEX NAME)

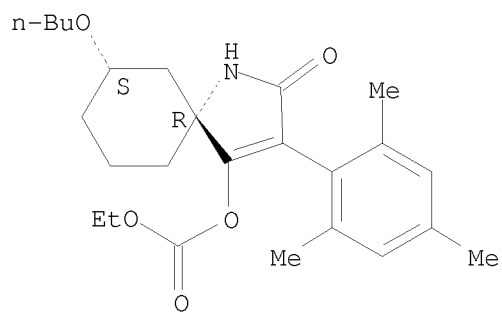
Relative stereochemistry.



RN 872845-51-7 ZCAPLUS

CN Carbonic acid, (5R,7S)-7-butoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, rel- (9CI) (CA INDEX NAME)

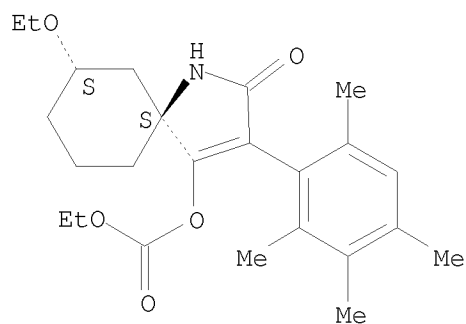
Relative stereochemistry.



RN 872845-59-5 ZCAPLUS

CN Carbonic acid, (5R,7R)-7-ethoxy-2-oxo-3-(2,3,4,6-tetramethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, rel- (CA INDEX NAME)

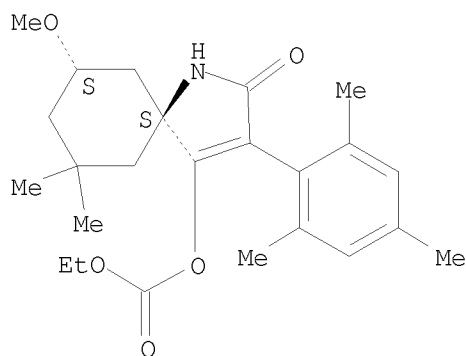
Relative stereochemistry.



RN 872845-61-9 ZCAPLUS

CN Carbonic acid, ethyl (5R,9R)-9-methoxy-7,7-dimethyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (9CI) (CA INDEX NAME)

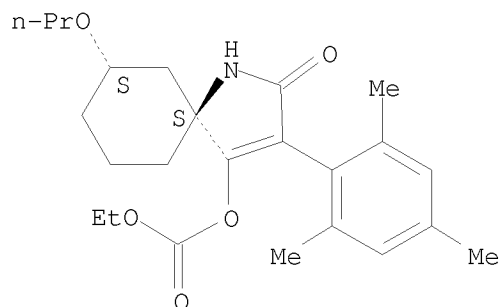
Relative stereochemistry.



RN 872845-63-1 ZCAPLUS

CN Carbonic acid, ethyl (5R,7R)-2-oxo-7-propoxy-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (9CI) (CA INDEX NAME)

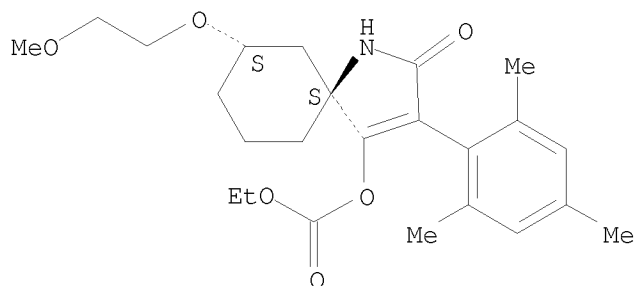
Relative stereochemistry.



RN 872845-64-2 ZCAPLUS

CN Carbonic acid, ethyl (5R,7R)-7-(2-methoxyethoxy)-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (9CI) (CA INDEX NAME)

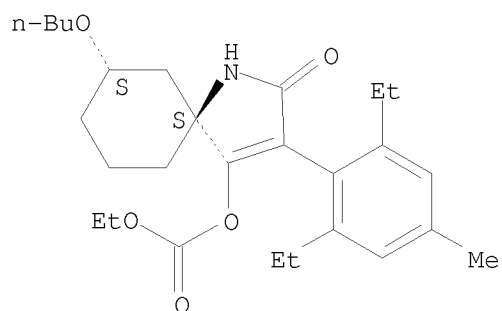
Relative stereochemistry.



RN 872845-66-4 ZCAPLUS

CN Carbonic acid, (5R,7R)-7-butoxy-3-(2,6-diethyl-4-methylphenyl)-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, rel- (CA INDEX NAME)

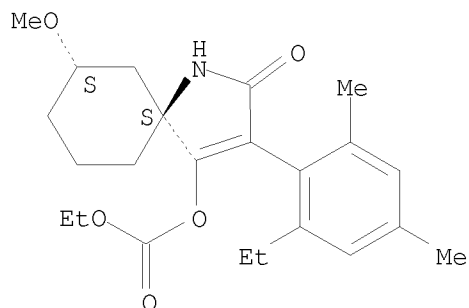
Relative stereochemistry.



RN 872845-74-4 ZCAPLUS

CN Carbonic acid, ethyl (5R,7R)-3-(2-ethyl-4,6-dimethylphenyl)-7-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester, rel- (9CI) (CA INDEX NAME)

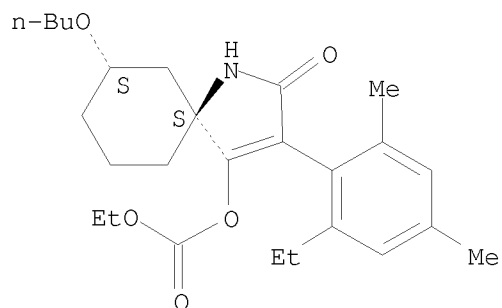
Relative stereochemistry.



RN 872845-75-5 ZCAPLUS

CN Carbonic acid, (5R,7R)-7-butoxy-3-(2-ethyl-4,6-dimethylphenyl)-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, rel- (CA INDEX NAME)

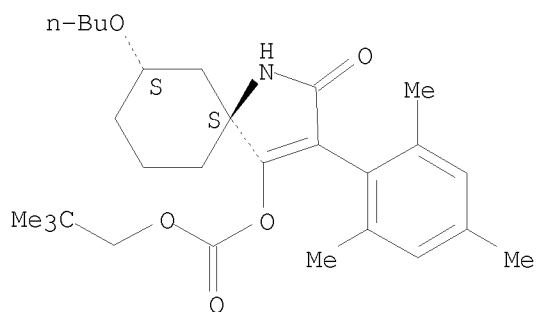
Relative stereochemistry.



RN 872845-83-5 ZCAPLUS

CN Carbonic acid, (5R,7R)-7-butoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl 2,2-dimethylpropyl ester, rel- (CA INDEX NAME)

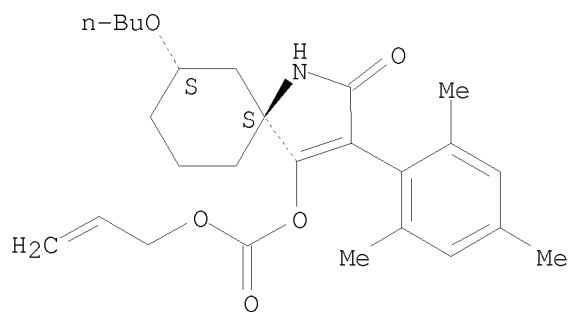
Relative stereochemistry.



RN 872845-85-7 ZCAPLUS

CN Carbonic acid, (5R,7R)-7-butoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl 2-propen-1-yl ester, rel- (CA INDEX NAME)

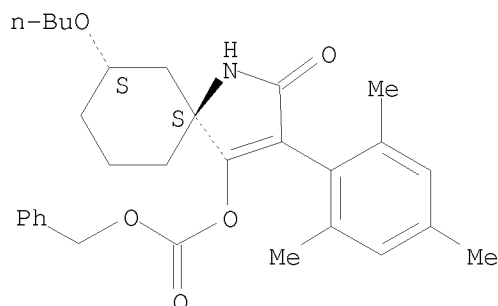
Relative stereochemistry.



RN 872845-86-8 ZCAPLUS

CN Carbonic acid, (5R,7R)-7-butoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl phenylmethyl ester, rel- (CA INDEX NAME)

Relative stereochemistry.



OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD
(3 CITINGS)
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:472122 ZCAPLUS
DOCUMENT NUMBER: 143:7595
TITLE: Preparation of of spirocyclic phenylpyrrolidinediones
as herbicides
INVENTOR(S): Erdelen, Christoph; Fischer, Reiner; Lehr, Stefan;
Drewes, Mark Wilhelm; Feucht, Dieter; Konze, Joerg;
Loesel, Peter; Malsam, Olga; Bojack, Guido; Arnold,
Christian; Auler, Thomas; Hills, Martin Jeffrey;
Kehne, Heinz; Rosinger, Christopher Hugh
PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany;
Lubos-Erdelen, Angelika
SOURCE: PCT Int. Appl., 126 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005049569	A1	20050602	WO 2004-EP12644	20041109
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10354629	A1	20050630	DE 2003-10354629	20031122
AU 2004291286	A1	20050602	AU 2004-291286	20041109
CA 2546815	A1	20050602	CA 2004-2546815	20041109
EP 1687272	A1	20060809	EP 2004-803114	20041109
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
BR 2004016209	A	20061226	BR 2004-16209	20041109
CN 1914172	A	20070214	CN 2004-80040780	20041109
JP 2007513882	T	20070531	JP 2006-540242	20041109
US 20070298969	A1	20071227	US 2007-578900	20070308

PRIORITY APPLN. INFO.:

DE 2003-10354629 A 20031122

WO 2004-EP12644 W 20041109

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

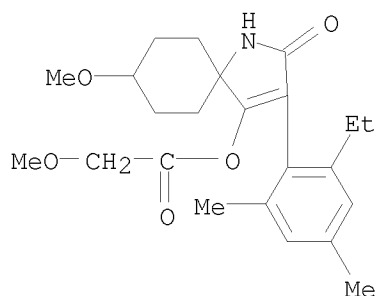
OTHER SOURCE(S): MARPAT 143:7595

IT 852637-97-9P 852637-99-1P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of spirocyclic phenylpyrrolidinediones as herbicides)

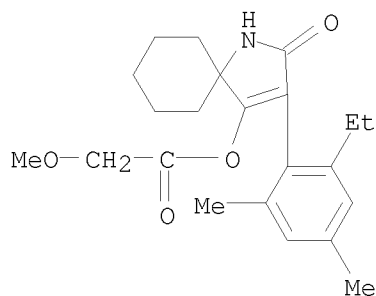
RN 852637-97-9 ZCAPLUS

CN Acetic acid, 2-methoxy-, 3-(2-ethyl-4,6-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



RN 852637-99-1 ZCAPLUS

CN Acetic acid, 2-methoxy-, 3-(2-ethyl-4,6-dimethylphenyl)-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



IT 852637-98-0P 852638-00-7P 852638-01-8P

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852638-05-2P 852638-06-3P 852638-07-4P

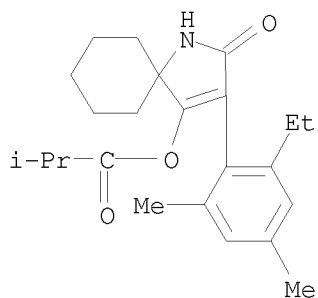
852638-08-5P 852638-09-6P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of spirocyclic phenylpyrrolidinediones as herbicides)

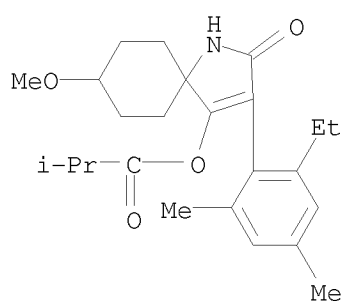
RN 852637-98-0 ZCAPLUS

CN Propanoic acid, 2-methyl-, 3-(2-ethyl-4,6-dimethylphenyl)-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



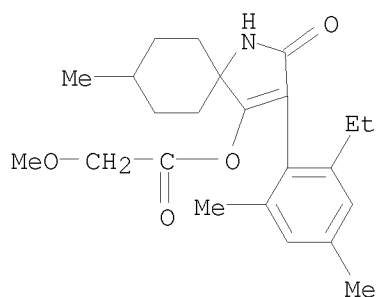
RN 852638-00-7 ZCAPLUS

CN Propanoic acid, 2-methyl-, 3-(2-ethyl-4,6-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



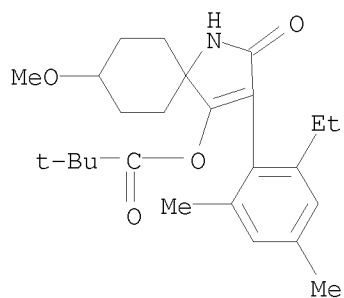
RN 852638-01-8 ZCAPLUS

CN Acetic acid, 2-methoxy-, 3-(2-ethyl-4,6-dimethylphenyl)-8-methyl-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



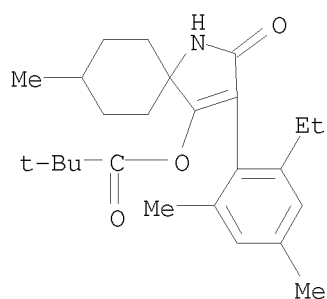
RN 852638-02-9 ZCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 3-(2-ethyl-4,6-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



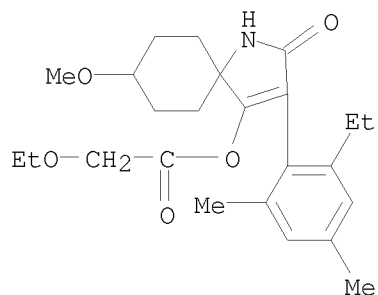
RN 852638-03-0 ZCAPLUS

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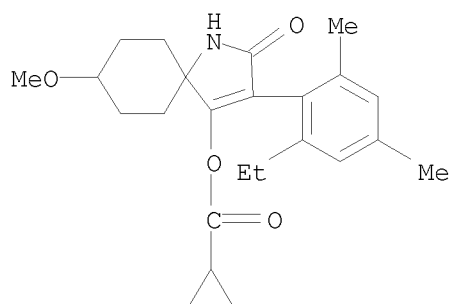
RN 852638-04-1 ZCAPLUS

CN Acetic acid, 2-ethoxy-, 3-(2-ethyl-4,6-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



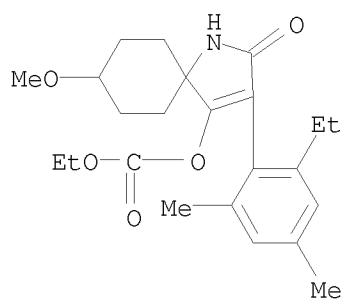
RN 852638-05-2 ZCAPLUS

CN Cyclopropanecarboxylic acid, 3-(2-ethyl-4,6-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



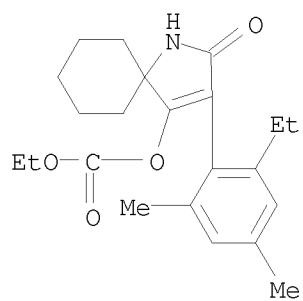
RN 852638-06-3 ZCAPLUS

CN Carbonic acid, ethyl 3-(2-ethyl-4,6-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester (9CI) (CA INDEX NAME)



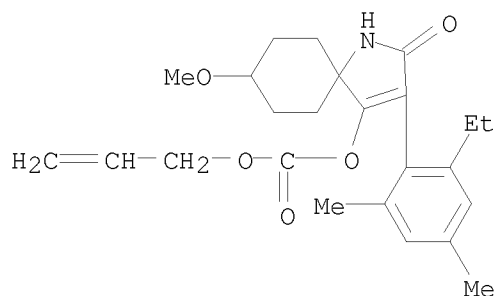
RN 852638-07-4 ZCAPLUS

CN Carbonic acid, ethyl 3-(2-ethyl-4,6-dimethylphenyl)-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester (9CI) (CA INDEX NAME)



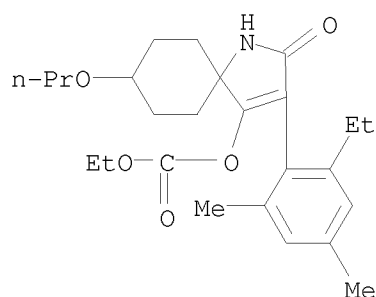
RN 852638-08-5 ZCAPLUS

CN Carbonic acid, 3-(2-ethyl-4,6-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl 2-propen-1-yl ester (CA INDEX NAME)



RN 852638-09-6 ZCAPLUS

CN Carbonic acid, ethyl 3-(2-ethyl-4,6-dimethylphenyl)-2-oxo-8-propoxy-1-azaspiro[4.5]dec-3-en-4-yl ester (9CI) (CA INDEX NAME)



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 9 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:177952 ZCAPLUS

DOCUMENT NUMBER: 140:235593

TITLE: Preparation of spirocyclic pyrrolones as pesticides, herbicides, and fungicides.

INVENTOR(S): Fischer, Reiner; Bretschneider, Thomas; Erdelen, Christoph; Konze, Joerg; Loesel, Peter; Drewes, Mark-Wilhelm; Feucht, Dieter; Kuck, Karl Heinz; Wachendorff-Neumann, Ulrike

PATENT ASSIGNEE(S): Bayer CropScience A.-G., Germany

SOURCE: Ger. Offen., 76 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10239479	A1	20040304	DE 2002-10239479	20020828
IN 2003MU00783	A	20050304	IN 2003-MU783	20030811
CA 2497074	A1	20040325	CA 2003-2497074	20030818
CA 2497074	C	20091103		
WO 2004024688	A1	20040325	WO 2003-EP9103	20030818

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,

LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
 PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
 TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 AU 2003264061 A1 20040430 AU 2003-264061 20030818
 AU 2003264061 B2 20081113
 EP 1537080 A1 20050608 EP 2003-794887 20030818
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 BR 2003014087 A 20050719 BR 2003-14087 20030818
 CN 1694869 A 20051109 CN 2003-824766 20030818
 JP 2006503027 T 20060126 JP 2004-535099 20030818
 MX 2005002118 A 20050523 MX 2005-2118 20050223
 US 20070275858 A1 20071129 US 2005-525920 20050225
 PRIORITY APPLN. INFO.: DE 2002-10239479 A 20020828
 WO 2003-EP9103 W 20030818

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 140:235593

IT 668460-12-6P 668460-13-7P 668460-15-9P

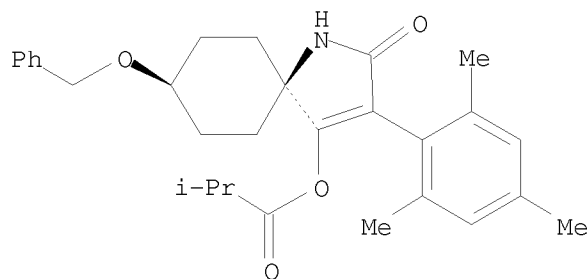
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN
 (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(preparation of spirocyclic pyrrolones as pesticides, herbicides, and
 fungicides)

RN 668460-12-6 ZCAPLUS

CN Propanoic acid, cis-8-(2-methyl-, (5 α ,8 α)-2-oxo-8-(phenylmethoxy)-3-
 (2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX
 NAME)

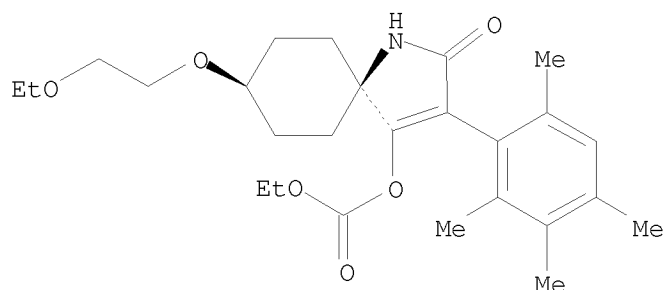
Relative stereochemistry.



RN 668460-13-7 ZCAPLUS

CN Carbonic acid, cis-8-(2-ethoxyethoxy)-2-oxo-3-(2,3,4,6-tetramethylphenyl)-
 1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (9CI) (CA INDEX NAME)

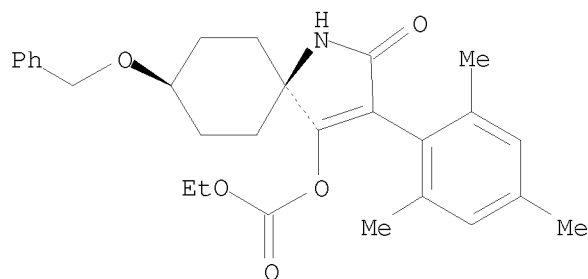
Relative stereochemistry.



RN 668460-15-9 ZCAPLUS

CN Carbonic acid, ethyl cis-2-oxo-8-(phenylmethoxy)-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

L4 ANSWER 10 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2002:410662 ZCAPLUS

DOCUMENT NUMBER: 137:262910

TITLE: Efficient N-sulfenylation of dihydropyrrole derivatives using N-sulphenylphthalimides

AUTHOR(S): Ito, Mitsuru; Okui, Hideshi; Nakagawa, Harumi; Mio, Shigeru; Iwasaki, Toshiaki; Iwabuchi, Jun

CORPORATE SOURCE: Agrosience Research Laboratories, Sankyo Co., Ltd., Shiga, 520-2342, Japan

SOURCE: Heterocycles (2002), 57(5), 909-914

CODEN: HTCYAM; ISSN: 0385-5414

PUBLISHER: Japan Institute of Heterocyclic Chemistry

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 137:262910

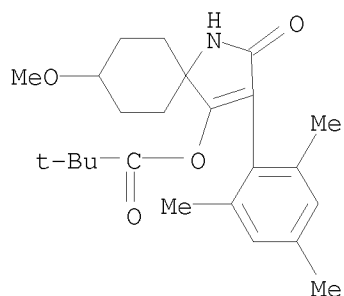
IT 462652-82-0

RL: RCT (Reactant); RACT (Reactant or reagent)

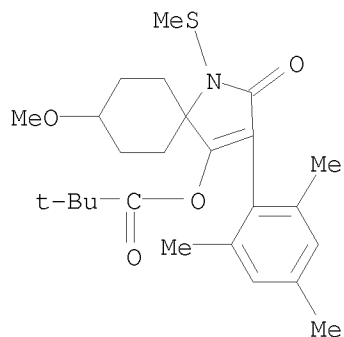
(ultrasound N-sulfenylation of dihydropyrrole derivs. using N-sulphenylphthalimides)

RN 462652-82-0 ZCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-methoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



IT 306948-43-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (ultrasound N-sulfenylation of dihydropyrrole derivs. using
 N-sulfenylphthalimides)
 RN 306948-43-6 ZCAPLUS
 CN Propanoic acid, 2,2-dimethyl-, 8-methoxy-1-(methylthio)-2-oxo-3-(2,4,6-
 trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)

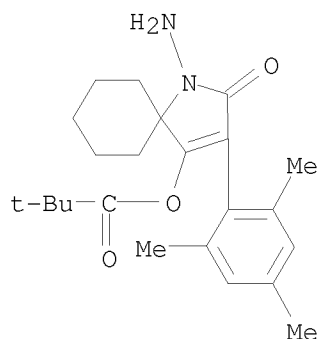


OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD
 (3 CITINGS)
 REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2001:891584 ZCAPLUS
 DOCUMENT NUMBER: 136:37501
 TITLE: Preparation of 1-aminodihydropyrroles and their
 intermediates, and their use as pesticides
 INVENTOR(S): Iwasaki, Toshiaki; Takashio, Miho; Kodama, Seiichiro;
 Miyake, Takaaki; Iwabuchi, Atsushi; Mio, Shigeru;
 Ichinose, Reiichi
 PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan; Nippon Kayaku Co., Ltd.
 SOURCE: Jpn. Kokai Tokkyo Koho, 62 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001342175	A	20011211	JP 2001-90723	20010327
PRIORITY APPLN. INFO.:			JP 2000-89463	A 20000328
OTHER SOURCE(S):		MARPAT 136:37501		

IT 375827-33-1P
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of 1-aminodihydropyrroles for pesticides)
 RN 375827-33-1 ZCAPLUS
 CN Propanoic acid, 2,2-dimethyl-, 1-amino-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



L4 ANSWER 12 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2001:747747 ZCAPLUS
 DOCUMENT NUMBER: 135:288687
 TITLE: Preparation of aryl-substituted heterocyclic ketoenols as pesticides and herbicides.
 INVENTOR(S): Ruthner, Michael; Hagemann, Hermann; Schneider, Udo; Dollinger, Markus; Dahmen, Peter; Wachendorff-neumann, Ulrike; Fischer, Reiner; Graff, Alan; Bretschneider, Thomas; Erdelen, Christoph; Drewes, Mark Wilhelm; Feucht, Dieter; Lieb, Folker
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany; et al.
 SOURCE: PCT Int. Appl., 243 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001074770	A1	20011011	WO 2001-EP3215	20010321
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 10016544	A1	20011011	DE 2000-10016544	20000403
CA 2404868	A1	20020930	CA 2001-2404868	20010321
EP 1280770	A1	20030205	EP 2001-917102	20010321
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001009750	A	20030225	BR 2001-9750	20010321
CN 1431996	A	20030723	CN 2001-810651	20010321

CN 1309709	C	20070411		
JP 2004501071	T	20040115	JP 2001-572465	20010321
CN 1631878	A	20050629	CN 2004-10097484	20010321
AU 782557	B2	20050811	AU 2001-44215	20010321
CN 1680272	A	20051012	CN 2005-10071254	20010321
RU 2280643	C2	20060727	RU 2002-129566	20010321
CN 1880293	A	20061220	CN 2006-10101402	20010321
CN 1982296	A	20070620	CN 2006-10172820	20010321
ZA 2002006836	A	20030918	ZA 2002-6836	20020827
MX 2002009730	A	20030527	MX 2002-9730	20021002
US 20030216260	A1	20031120	US 2002-239331	20021216
HK 1057369	A1	20071116	HK 2004-100217	20040112
AU 2005232267	A1	20051208	AU 2005-232267	20051109
AU 2005232267	B2	20080821		

PRIORITY APPLN. INFO.:

DE 2000-10016544	A	20000403
AU 2001-44215	A3	20010321
CN 2001-810651	A3	20010321
CN 2004-10097484	A3	20010321
WO 2001-EP3215	W	20010321

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 135:288687

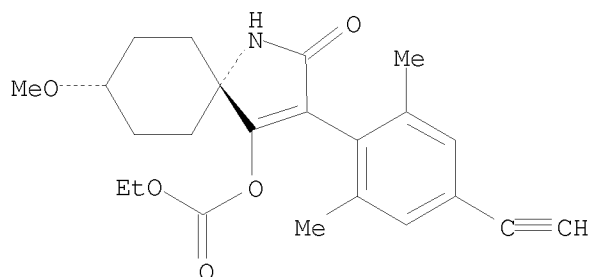
IT 364374-04-9P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of aryl-substituted heterocyclic ketoenols as pesticides and herbicides)

RN 364374-04-9 ZCAPLUS

CN Carbonic acid, ethyl cis-3-(4-ethynyl-2,6-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



OS.CITING REF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 13 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2001:247313 ZCAPLUS

DOCUMENT NUMBER: 134:280721

TITLE: Preparation of trifluoromethyl spirocyclic ketoenols for use as pesticides and herbicides

INVENTOR(S): Fischer, Reiner; Graff, Alan; Bretschneider, Thomas; Erdelen, Christoph; Drewes, Mark Wilhelm; Feucht, Dieter

PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 144 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001023354	A2	20010405	WO 2000-EP9270	20000919
WO 2001023354	A3	20020228		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19946625	A1	20010405	DE 1999-19946625	19990929
CA 2384501	A1	20010405	CA 2000-2384501	20000919
BR 2000014352	A	20020611	BR 2000-14352	20000919
EP 1220841	A2	20020710	EP 2000-967741	20000919
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2003510308	T	20030318	JP 2001-526508	20000919
CN 1207281	C	20050622	CN 2000-816420	20000919
CN 1680298	A	20051012	CN 2005-10006469	20000919
CN 100436408	C	20081126		
US 6861391	B1	20050301	US 2002-88979	20020326
MX 2002003272	A	20021031	MX 2002-3272	20020327
PRIORITY APPLN. INFO.:				
			DE 1999-19946625	A 19990929
			CN 2000-816420	A3 20000919
			WO 2000-EP9270	W 20000919

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 134:280721

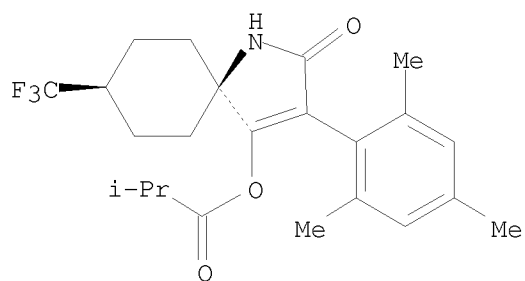
IT 332348-31-9P 332348-43-3P 332348-47-7P
 332348-57-9P 332348-63-7P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of trifluoromethyl spirocyclic ketoenols for use as pesticides and herbicides)

RN 332348-31-9 ZCAPLUS

CN Propanoic acid, 2-methyl-, (5 α ,8 α)-2-oxo-8-(trifluoromethyl)-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)

Relative stereochemistry.

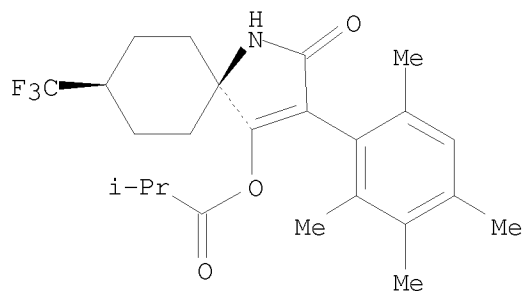


RN 332348-43-3 ZCAPLUS

CN Propanoic acid, 2-methyl-, (5 α ,8 α)-2-oxo-3-(2,3,4,6-

tetramethylphenyl)-8-(trifluoromethyl)-1-azaspiro[4.5]dec-3-en-4-yl ester
(CA INDEX NAME)

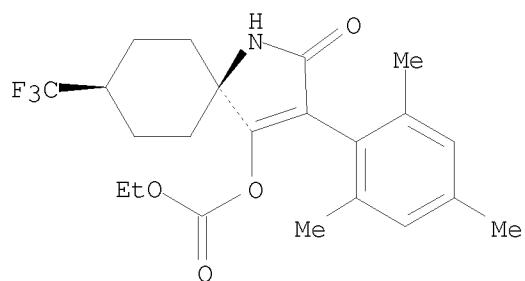
Relative stereochemistry.



RN 332348-47-7 ZCAPLUS

CN Carbonic acid, ethyl cis-2-oxo-8-(trifluoromethyl)-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (9CI) (CA INDEX NAME)

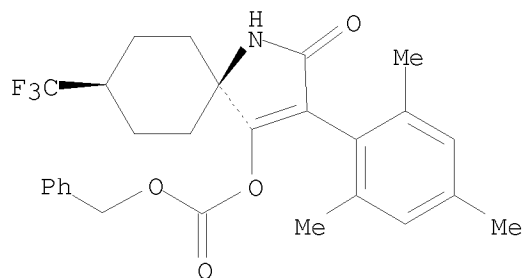
Relative stereochemistry.



RN 332348-57-9 ZCAPLUS

CN Carbonic acid, cis-2-oxo-8-(trifluoromethyl)-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl phenylmethyl ester (9CI) (CA INDEX NAME)

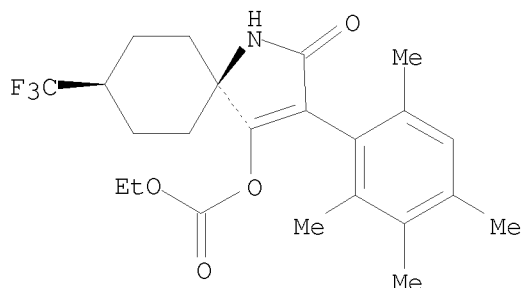
Relative stereochemistry.



RN 332348-63-7 ZCAPLUS

CN Carbonic acid, ethyl cis-2-oxo-3-(2,3,4,6-tetramethylphenyl)-8-(trifluoromethyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 14 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2001:185730 ZCAPLUS

DOCUMENT NUMBER: 134:237482

TITLE: preparation of alkylphenylpyrazolines, -pyrroles,
-furans, -thiophenes, and -thiazines as herbicides.

INVENTOR(S): Maetzke, Thomas; Stoller, Andre; Wendeborn, Sebastian;
Szczepanski, Henry

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 135 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001017972	A2	20010315	WO 2000-EP8656	20000905
WO 2001017972	A3	20010927		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
CA 2382435	A1	20010315	CA 2000-2382435	20000905
CA 2382435	C	20090203		
AU 2000076503	A	20010410	AU 2000-76503	20000905
AU 767356	B2	20031106		
EP 1210333	A2	20020605	EP 2000-965923	20000905
EP 1210333	B1	20041117		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			
HU 2002002573	A2	20021128	HU 2002-2573	20000905
HU 2002002573	A3	20021228		
CN 1514829	A	20040721	CN 2000-813428	20000905
CN 1272324	C	20060830		
EP 1481970	A1	20041201	EP 2004-13876	20000905
EP 1481970	B1	20060322		
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AT 282597	T	20041215	AT 2000-965923	20000905
ES 2233451	T3	20050616	ES 2000-965923	20000905
RU 2269537	C2	20060210	RU 2002-107612	20000905
AT 321029	T	20060415	AT 2004-13876	20000905
ES 2259425	T3	20061001	ES 2004-13876	20000905
US 6894005	B1	20050517	US 2002-70767	20020625
US 20050164883	A1	20050728	US 2005-83415	20050318
US 7605111	B2	20091020		
US 20050187110	A1	20050825	US 2005-83465	20050318
US 7459414	B2	20081202		

PRIORITY APPLN. INFO.:

CH 1999-1642	A	19990907
EP 2000-965923	A3	20000905
US 2002-70767	A3	20000905
WO 2000-EP8656	W	20000905

OTHER SOURCE(S): MARPAT 134:237482

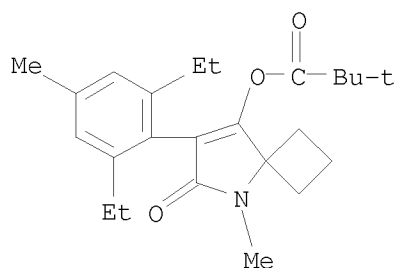
IT 1139434-72-2 1139435-89-4

RL: PRPH (Prophetic)

(preparation of alkylphenylpyrazolines, -pyrroles, -furans, -thiophenes, and -thiazines as herbicides.)

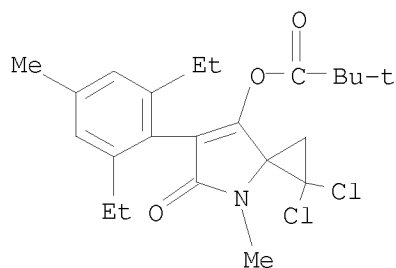
RN 1139434-72-2 ZCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 7-(2,6-diethyl-4-methylphenyl)-5-methyl-6-oxo-5-azaspiro[3.4]oct-7-en-8-yl ester (CA INDEX NAME)



RN 1139435-89-4 ZCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 1,1-dichloro-6-(2,6-diethyl-4-methylphenyl)-4-methyl-5-oxo-4-azaspiro[2.4]hept-6-en-7-yl ester (CA INDEX NAME)

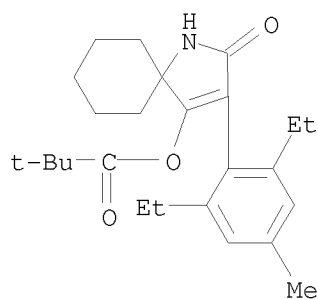


IT 329964-65-0P 329964-70-7P 329964-74-1P

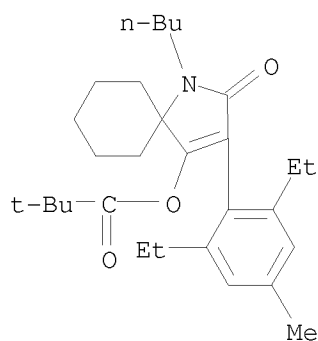
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of alkylphenylpyrazolines, -pyrroles, -furans, -thiophenes, or -thiazines as herbicides)

RN 329964-65-0 ZCAPLUS

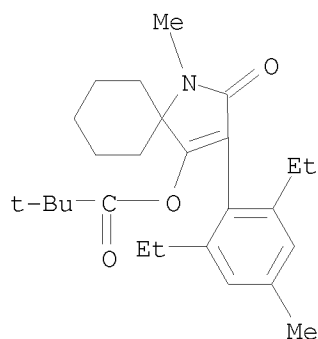
CN Propanoic acid, 2,2-dimethyl-, 3-(2,6-diethyl-4-methylphenyl)-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



RN 329964-70-7 ZCAPLUS
 CN Propanoic acid, 2,2-dimethyl-, 1-butyl-3-(2,6-diethyl-4-methylphenyl)-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



RN 329964-74-1 ZCAPLUS
 CN Propanoic acid, 2,2-dimethyl-, 3-(2,6-diethyl-4-methylphenyl)-1-methyl-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



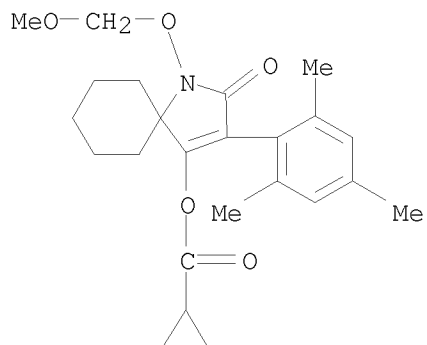
OS.CITING REF COUNT: 18 THERE ARE 18 CAPLUS RECORDS THAT CITE THIS RECORD (26 CITINGS)
 REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 15 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2000:814459 ZCAPLUS
 DOCUMENT NUMBER: 133:362702
 TITLE: Preparation of N-substituted 3-phenyl-2,5-dihydropyrrol-2-one derivatives as agrochemicals
 INVENTOR(S): Mio, Shigeru; Ito, Mitsuru; Ichinose, Reiji; Okui,

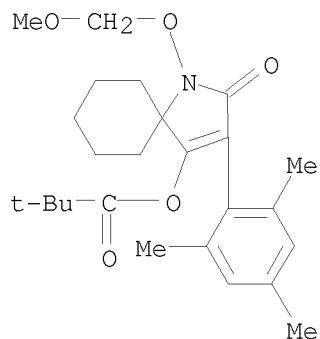
Hideshi; Iwasaki, Toshiaki; Kodama, Seiichiro;
 Iwabuchi, Jun
 PATENT ASSIGNEE(S): Sankyo Co. Ltd., Japan; Nippon Kayaku Co., ltd.
 SOURCE: PCT Int. Appl., 427 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000068196	A1	20001116	WO 2000-JP2848	20000428
W: AU, BR, CA, CN, CZ, HU, ID, IL, IN, KR, MX, NO, NZ, PL, RU, TR, US, ZA				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 2001026578	A	20010130	JP 2000-138032	20000511
JP 2001316362	A	20011113	JP 2001-137610	20000511
JP 2002205984	A	20020723	JP 2001-138063	20010509
PRIORITY APPLN. INFO.:			JP 1999-130499	A 19990511
			JP 2000-343070	A 20001110
			JP 2000-138032	A3 20000511

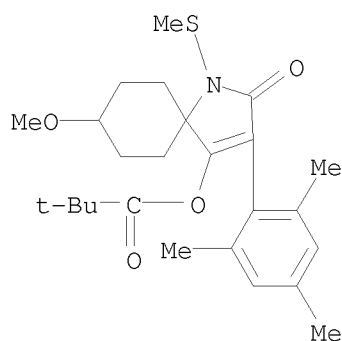
OTHER SOURCE(S): MARPAT 133:362702
 IT 306945-58-4P 306948-14-1P 306948-43-6P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of N-substituted phenyldihydropyrrolone derivs. as agrochems.)
 RN 306945-58-4 ZCAPLUS
 CN Cyclopropanecarboxylic acid, 1-(methoxymethoxy)-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



RN 306948-14-1 ZCAPLUS
 CN Propanoic acid, 2,2-dimethyl-, 1-(methoxymethoxy)-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



RN 306948-43-6 ZCAPLUS
 CN Propanoic acid, 2,2-dimethyl-, 8-methoxy-1-(methylthio)-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
 REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 16 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1999:228062 ZCAPLUS
 DOCUMENT NUMBER: 130:252239
 TITLE: Spirocyclic phenyl keto enols with insecticidal and acaricidal activity
 INVENTOR(S): Fischer, Reiner; Bretschneider, Thomas; Erdelen, Christoph; Wachendorff-Neumann, Ulrike; Dollinger, Markus; Turberg, Andreas
 PATENT ASSIGNEE(S): Bayer A.-G., Germany
 SOURCE: Ger. Offen., 64 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19742492	A1	19990401	DE 1997-19742492	19970926
WO 9916748	A1	19990408	WO 1998-EP5809	19980912

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,

NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
 UA, UG, US, UZ, VN, YU, ZW
 RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
 FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
 CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

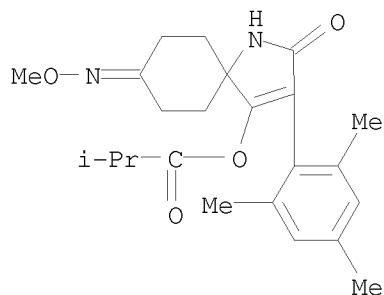
AU 9897431	A	19990423	AU 1998-97431	19980912
EP 1017674	A1	20000712	EP 1998-951386	19980912
EP 1017674	B1	20090218		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL				
BR 9812535	A	20000725	BR 1998-12535	19980912
TR 200000749	T2	20000821	TR 2000-749	19980912
JP 2001518464	T	20011016	JP 2000-513834	19980912
CN 1217931	C	20050907	CN 1998-809557	19980912
AT 423097	T	20090315	AT 1998-951386	19980912
ES 2320394	T3	20090521	ES 1998-951386	19980912
TW 568904	B	20040101	TW 1998-87115725	19980922
ZA 9808784	A	19990331	ZA 1998-8784	19980925
US 6589976	B1	20030708	US 2000-509288	20000321
MX 2000002937	A	20010306	MX 2000-2937	20000324
IN 2001DE00832	A	20050311	IN 2001-DE832	20010806

PRIORITY APPLN. INFO.: DE 1997-19742492 A 19970926
 WO 1998-EP5809 W 19980912

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 OTHER SOURCE(S): MARPAT 130:252239

IT 221526-91-6P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except
 adverse); BSU (Biological study, unclassified); SPN (Synthetic
 preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of spirocyclic Ph keto enols with insecticidal and acaricidal
 activity)

RN 221526-91-6 ZCAPLUS
 CN Propanoic acid, 2-methyl-, 8-(methoxyimino)-2-oxo-3-(2,4,6-
 trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD
 (2 CITINGS)

L4 ANSWER 17 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1997:679056 ZCAPLUS

DOCUMENT NUMBER: 127:318875

ORIGINAL REFERENCE NO.: 127:62493a,62496a

TITLE: Arylheterocyclic keto enols as pesticides and
 herbicides

INVENTOR(S): Lieb, Volker; Hagemann, Hermann; Widdig, Arno; Ruther,
 Michael; Fischer, Reiner; Bretschneider, Thomas;
 Erdelen, Christoph; Wachendorff-Neumann, Ulrike;
 Graff, Alan; Schneider, Udo

PATENT ASSIGNEE(S): Bayer A.-G., Germany; et al.

SOURCE: PCT Int. Appl., 192 pp.

DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9736868	A1	19971009	WO 1997-EP1426	19970321
W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, IL, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
DE 19649665	A1	19971009	DE 1996-19649665	19961129
IN 1997DE00661	A	20050311	IN 1997-DE661	19970317
CA 2250417	A1	19971009	CA 1997-2250417	19970321
AU 9722900	A	19971022	AU 1997-22900	19970321
AU 725852	B2	20001019		
EP 891330	A1	19990120	EP 1997-915409	19970321
EP 891330	B1	20060308		
R: BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, PT				
CN 1215390	A	19990428	CN 1997-193592	19970321
BR 9708425	A	19990803	BR 1997-8425	19970321
JP 2000507564	T	20000620	JP 1997-534875	19970321
JP 4153040	B2	20080917		
TR 9801990	T2	20000621	TR 1998-1990	19970321
IL 126357	A	20031031	IL 1997-126357	19970321
CN 1535956	A	20041013	CN 2004-10034295	19970321
CN 1631879	A	20050629	CN 2004-10095691	19970321
ES 2259804	T3	20061016	ES 1997-915409	19970321
EP 1721522	A2	20061115	EP 2005-26674	19970321
EP 1721522	A3	20070103		
R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
CN 101575312	A	20091111	CN 2009-10137161	19970321
CN 101580465	A	20091118	CN 2009-10133152	19970321
KR 2000004994	A	20000125	KR 1998-707606	19980925
US 6140358	A	20001031	US 1998-155637	19980929
US 20010004629	A1	20010621	US 2000-550105	20000414
US 6271190	B2	20010807		
US 6388123	B1	20020514	US 2001-871611	20010601
US 6486343	B1	20021126	US 2002-74351	20020212

PRIORITY APPLN. INFO.:

DE 1996-19613171	A	19960402
DE 1996-19649665	A	19961129
CN 1997-193592	A3	19970321
EP 1997-915409	A3	19970321
WO 1997-EP1426	W	19970321
US 1998-155637	A3	19980929
US 2000-550105	A3	20000414
US 2001-871611	A3	20010601

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 127:318875

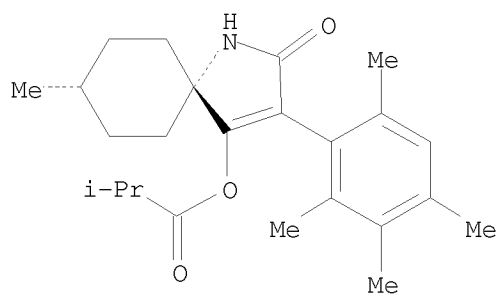
IT 197709-93-6P 197709-94-7P 197709-95-8P
 197710-14-8P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of arylheterocyclic keto enols as insecticides and acaricides)

RN 197709-93-6 ZCAPLUS

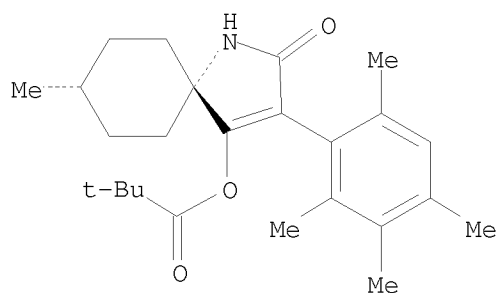
CN Propanoic acid, 2-methyl-, (5 α , 8 α)-8-methyl-2-oxo-3-(2,3,4,6-tetramethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)

Relative stereochemistry.



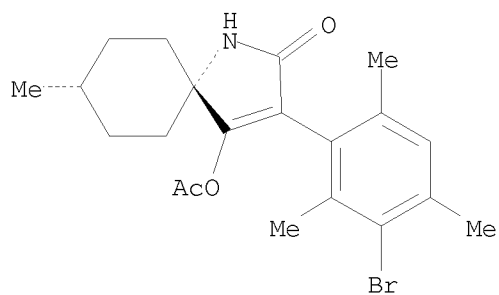
RN 197709-94-7 ZCAPLUS
 CN Propanoic acid, 2,2-dimethyl-, (5 α ,8 α)-8-methyl-2-oxo-3-(2,3,4,6-tetramethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)

Relative stereochemistry.



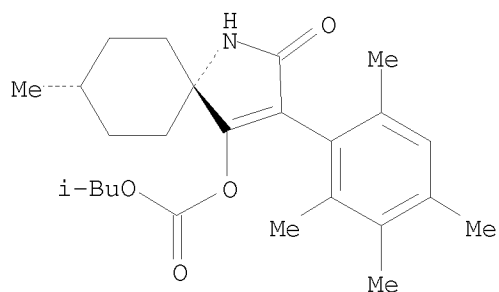
RN 197709-95-8 ZCAPLUS
 CN 1-Azaspiro[4.5]dec-3-en-2-one, 4-(acetyloxy)-3-(3-bromo-2,4,6-trimethylphenyl)-8-methyl-, (5 α ,8 α)- (CA INDEX NAME)

Relative stereochemistry.



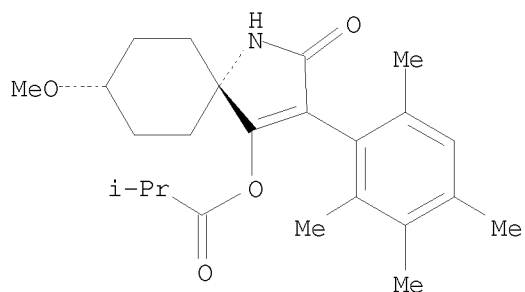
RN 197710-14-8 ZCAPLUS
 CN Carbonic acid, 8-methyl-2-oxo-3-(2,3,4,6-tetramethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl 2-methylpropyl ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



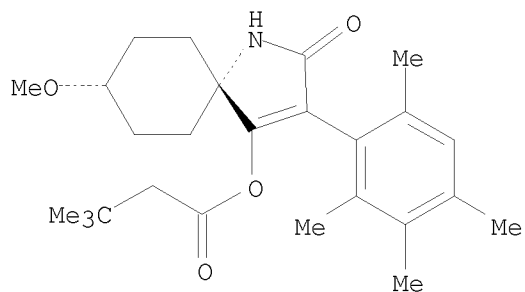
IT 197709-96-9P 197709-97-0P 197709-98-1P
 197710-08-0P 197710-17-1P
 RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of arylheterocyclic keto enols as insecticides and acaricides)
 RN 197709-96-9 ZCAPLUS
 CN Propanoic acid, 2-methyl-, (5 α ,8 α)-8-methoxy-2-oxo-3-(2,3,4,6-tetramethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)

Relative stereochemistry.



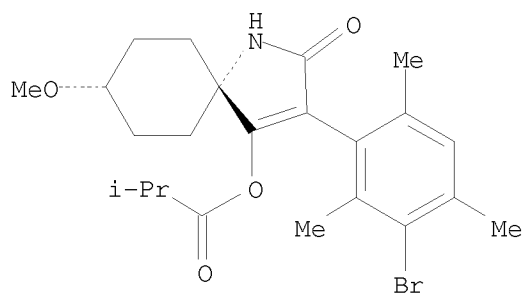
RN 197709-97-0 ZCAPLUS
 CN Butanoic acid, 3,3-dimethyl-, (5 α ,8 α)-8-methoxy-2-oxo-3-(2,3,4,6-tetramethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)

Relative stereochemistry.



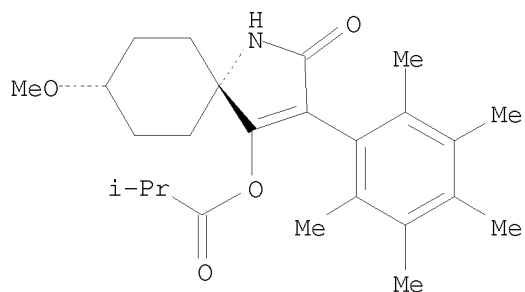
RN 197709-98-1 ZCAPLUS
 CN Propanoic acid, 2-methyl-, (5 α ,8 α)-3-(3-bromo-2,4,6-trimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)

Relative stereochemistry.



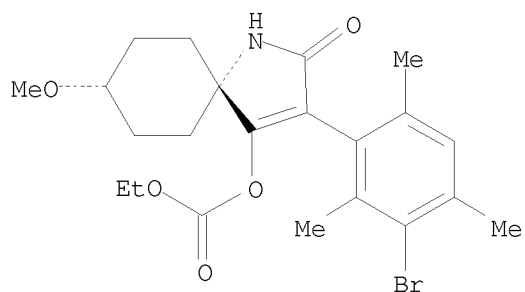
RN 197710-08-0 ZCAPLUS
 CN Propanoic acid, 2-methyl-, (5 α ,8 α)-8-methoxy-2-oxo-3-(2,3,4,5,6-pentamethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)

Relative stereochemistry.



RN 197710-17-1 ZCAPLUS
 CN Carbonic acid, 3-(3-bromo-2,4,6-trimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



OS.CITING REF COUNT: 15 THERE ARE 15 CAPLUS RECORDS THAT CITE THIS RECORD (17 CITINGS)
 REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 18 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1996:577745 ZCAPLUS
 DOCUMENT NUMBER: 125:221568
 ORIGINAL REFERENCE NO.: 125:41409a,41412a
 TITLE: Preparation of 3-phenyl-2,4-dioxopyrrolidine tautomers and analogs as herbicides and pesticides
 INVENTOR(S): Fischer, Reiner; Bretschneider, Thomas; Hagemann, Hermann; Lieb, Folker; Lui, Norbert; Ruther, Michael;

Widdig, Arno; Erdelen, Christoph; Wachendorff-Neumann, Ulrike; et al.
PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: Ger. Offen., 94 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19543864	A1	19960814	DE 1995-19543864	19951124
WO 9625395	A1	19960822	WO 1996-EP382	19960131
W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9647158	A	19960904	AU 1996-47158	19960131
BR 9606956	A	19971028	BR 1996-6956	19960131
EP 809629	A1	19971203	EP 1996-902951	19960131
EP 809629	B1	20040630		
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
CN 1173866	A	19980218	CN 1996-191907	19960131
CN 1154634	C	20040623		
HU 9800031	A2	19980528	HU 1998-31	19960131
HU 9800031	A3	19980629		
JP 11500114	T	19990106	JP 1996-524608	19960131
JP 4036470	B2	20080123		
ES 2224156	T3	20050301	ES 1996-902951	19960131
ZA 9601107	A	19960828	ZA 1996-1107	19960212
US 6358887	B1	20020319	US 1997-875872	19970805
US 20030045432	A1	20030306	US 2001-14713	20011211
US 6746990	B2	20040608		

PRIORITY APPLN. INFO.:
DE 1995-19504621 A1 19950213
DE 1995-19543864 A 19951124
WO 1996-EP382 W 19960131
US 1997-875872 A3 19970805

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 125:221568

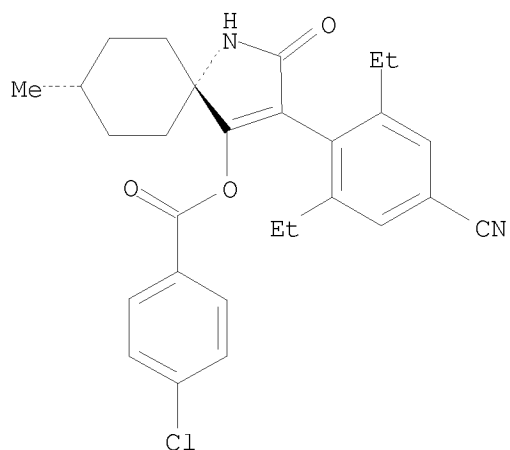
IT 181299-91-2P 181299-92-3P 181299-93-4P
181299-96-7P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 3-phenyl-2,4-dioxopyrrolidine tautomers and analogs as herbicides and pesticides)

RN 181299-91-2 ZCAPLUS

CN Benzoic acid, 4-chloro-, 3-(4-cyano-2,6-diethylphenyl)-8-methyl-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester, cis- (9CI) (CA INDEX NAME)

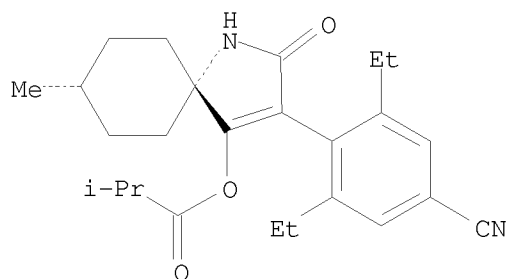
Relative stereochemistry.



RN 181299-92-3 ZCAPLUS

CN Propanoic acid, 2-methyl-, 3-(4-cyano-2,6-diethylphenyl)-8-methyl-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester, cis- (9CI) (CA INDEX NAME)

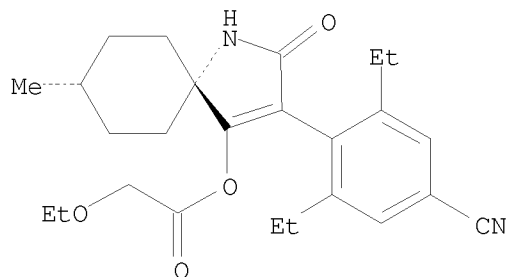
Relative stereochemistry.



RN 181299-93-4 ZCAPLUS

CN Acetic acid, ethoxy-, 3-(4-cyano-2,6-diethylphenyl)-8-methyl-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ester, cis- (9CI) (CA INDEX NAME)

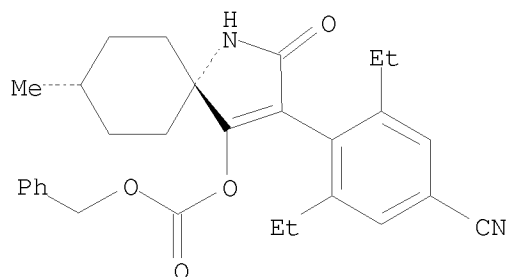
Relative stereochemistry.



RN 181299-96-7 ZCAPLUS

CN Carbonic acid, 3-(4-cyano-2,6-diethylphenyl)-8-methyl-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl phenylmethyl ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



OS.CITING REF COUNT: 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS
RECORD (13 CITINGS)

L4 ANSWER 19 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1994:680537 ZCAPLUS

DOCUMENT NUMBER: 121:280537

ORIGINAL REFERENCE NO.: 121:51215a, 51218a

TITLE: Preparation of 5-spiro substituted
1-H-3-arylprrolidin-2,4-dione derivatives as
herbicides, insecticides and acaricides

INVENTOR(S): Fischer, Reiner; Bretschneider, Thomas; Krueger, Bernd
Wieland; Erdelen, Christoph; Santel, Hans Joachim;
Luerssen, Klaus; Schmidt, Robert R.;
Wachendorff-Neumann, Ulrike; Stendel, Wilhelm

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: Eur. Pat. Appl., 107 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 596298	A2	19940511	EP 1993-116687	19931015
EP 596298	A3	19940720		
EP 596298	B1	20020109		
R: BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, PT				
DE 4326909	A1	19940505	DE 1993-4326909	19930811
AU 9347540	A	19940512	AU 1993-47540	19930922
AU 666040	B2	19960125		
ES 2170063	T3	20020801	ES 1993-116687	19931015
US 5462913	A	19951031	US 1993-140635	19931021
CA 2109161	C	19940429	CA 1993-2109161	19931025
CA 2109161	A1	19940429		
JP 06263731	A	19940920	JP 1993-287228	19931025
JP 3435671	B2	20030811		
BR 9304387	A	19940510	BR 1993-4387	19931027
ZA 9307988	A	19940803	ZA 1993-7988	19931027
CN 1086213	A	19940504	CN 1993-119576	19931028
CN 1044366	C	19990728		
AU 9520285	A	19950810	AU 1995-20285	19950525
AU 675616	B2	19970206		
US 5677449	A	19971014	US 1995-462488	19950605
CN 1190650	A	19980819	CN 1997-125568	19971219
CN 1065524	C	20010509		

PRIORITY APPLN. INFO.: DE 1992-4236401 A 19921028
DE 1993-4326909 A 19930811
US 1993-140635 A3 19931021

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 121:280537

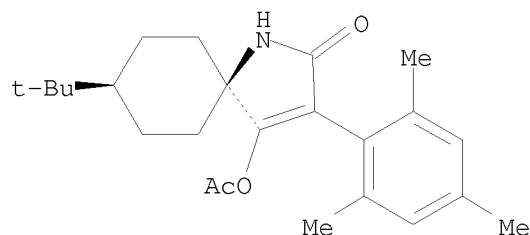
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	158866-99-0P		

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as herbicide, insecticide, and acaricide)

RN 158865-89-5 ZCAPLUS

CN 1-Azaspiro[4.5]dec-3-en-2-one, 4-(acetyloxy)-8-(1,1-dimethylethyl)-3-(2,4,6-trimethylphenyl)-, cis- (9CI) (CA INDEX NAME)

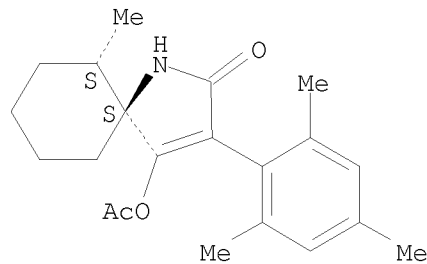
Relative stereochemistry.



RN 158865-91-9 ZCAPLUS

CN 1-Azaspiro[4.5]dec-3-en-2-one, 4-(acetyloxy)-6-methyl-3-(2,4,6-trimethylphenyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

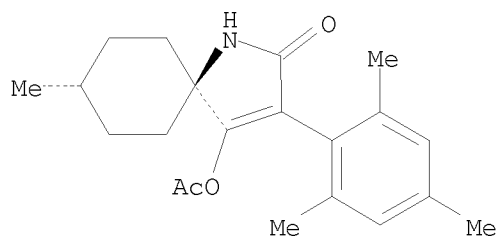


RN 158865-92-0 ZCAPLUS

CN 1-Azaspiro[4.5]dec-3-en-2-one, 4-(acetyloxy)-8-methyl-3-(2,4,6-

trimethylphenyl)-, trans- (9CI) (CA INDEX NAME)

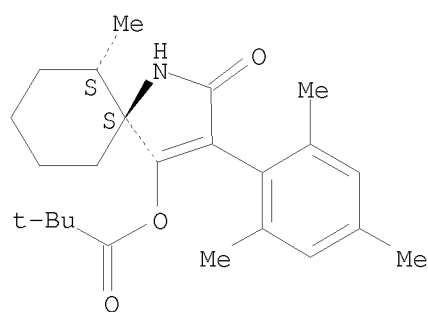
Relative stereochemistry.



RN 158865-93-1 ZCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 6-methyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, trans- (9CI) (CA INDEX NAME)

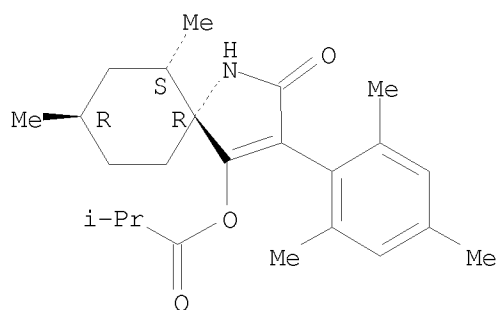
Relative stereochemistry.



RN 158865-94-2 ZCAPLUS

CN Propanoic acid, 2-methyl-, 6,8-dimethyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, (5α,6α,8β)- (9CI) (CA INDEX NAME)

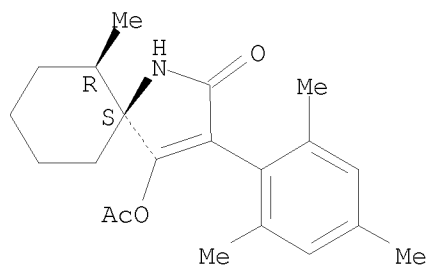
Relative stereochemistry.



RN 158865-97-5 ZCAPLUS

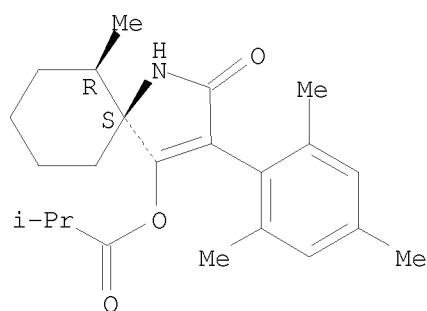
CN 1-Azaspiro[4.5]dec-3-en-2-one, 4-(acetyloxy)-6-methyl-3-(2,4,6-trimethylphenyl)-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



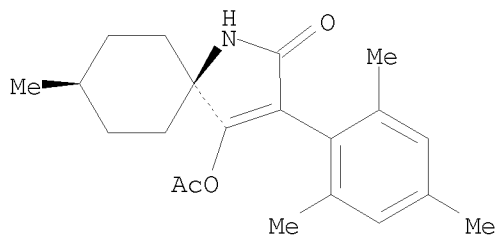
RN 158865-98-6 ZCAPLUS
 CN Propanoic acid, 2-methyl-, 6-methyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



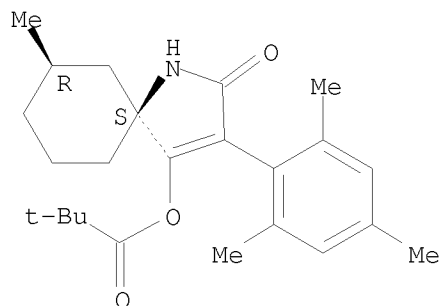
RN 158865-99-7 ZCAPLUS
 CN 1-Azaspiro[4.5]dec-3-en-2-one, 4-(acetyloxy)-8-methyl-3-(2,4,6-trimethylphenyl)-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 158866-00-3 ZCAPLUS
 CN Propanoic acid, 2,2-dimethyl-, 7-methyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, cis- (9CI) (CA INDEX NAME)

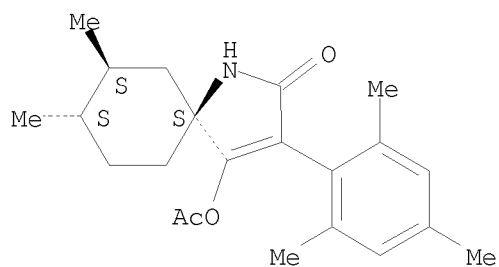
Relative stereochemistry.



RN 158866-06-9 ZCAPLUS

CN 1-Azaspiro[4.5]dec-3-en-2-one, 4-(acetyloxy)-7,8-dimethyl-3-(2,4,6-trimethylphenyl)-, (5 α ,7 α ,8 β)- (9CI) (CA INDEX NAME)

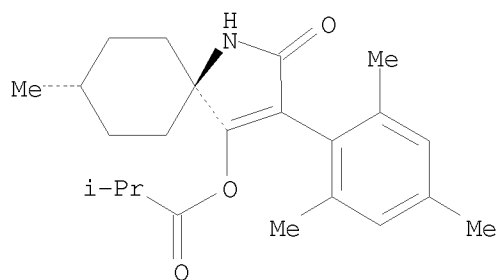
Relative stereochemistry.



RN 158866-07-0 ZCAPLUS

CN Propanoic acid, 2-methyl-, 8-methyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, trans- (9CI) (CA INDEX NAME)

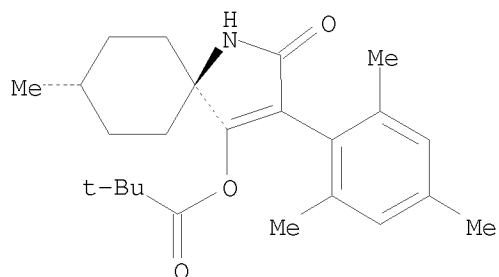
Relative stereochemistry.



RN 158866-08-1 ZCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 8-methyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, trans- (9CI) (CA INDEX NAME)

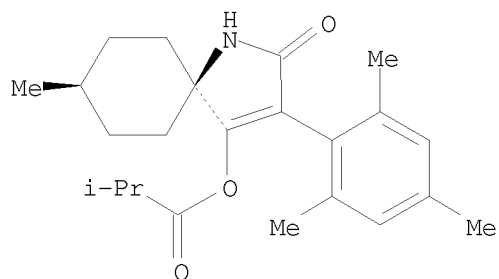
Relative stereochemistry.



RN 158866-12-7 ZCAPLUS

CN Propanoic acid, 2-methyl-, 8-methyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, cis- (9CI) (CA INDEX NAME)

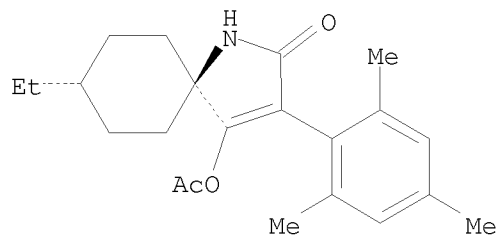
Relative stereochemistry.



RN 158866-20-7 ZCAPLUS

CN 1-Azaspiro[4.5]dec-3-en-2-one, 4-(acetyloxy)-8-ethyl-3-(2,4,6-trimethylphenyl)-, trans- (9CI) (CA INDEX NAME)

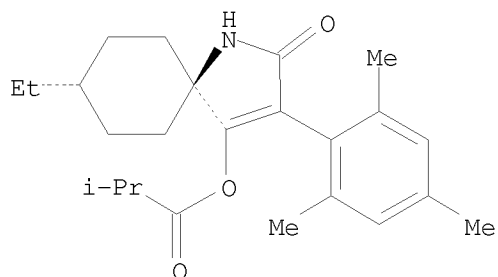
Relative stereochemistry.



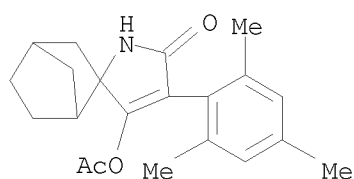
RN 158866-21-8 ZCAPLUS

CN Propanoic acid, 2-methyl-, 8-ethyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, trans- (9CI) (CA INDEX NAME)

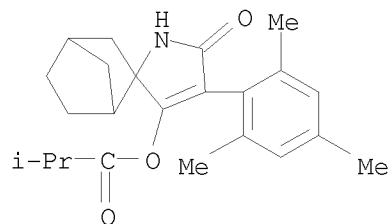
Relative stereochemistry.



RN 158866-30-9 ZCAPLUS
 CN Spiro[bicyclo[2.2.1]heptane-2,2'-[2H]pyrrol]-5'-(1'H)-one,
 3'-(acetyloxy)-4'-(2,4,6-trimethylphenyl)- (CA INDEX NAME)

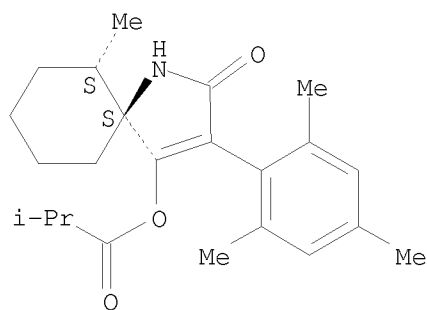


RN 158866-31-0 ZCAPLUS
 CN Propanoic acid, 2-methyl-, 5'-oxo-4'-(2,4,6-
 trimethylphenyl)spiro[bicyclo[2.2.1]heptane-2,2'-[2H]pyrrol]-3'-yl ester
 (CA INDEX NAME)



RN 158866-35-4 ZCAPLUS
 CN Propanoic acid, 2-methyl-, 6-methyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-
 azaspiro[4.5]dec-3-en-4-yl ester, trans- (9CI) (CA INDEX NAME)

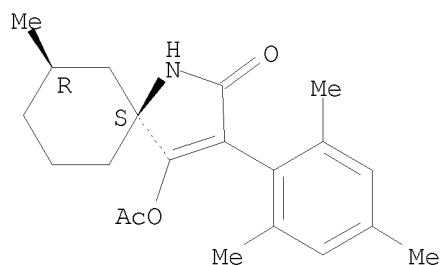
Relative stereochemistry.



RN 158866-36-5 ZCAPLUS

CN 1-Azaspiro[4.5]dec-3-en-2-one, 4-(acetyloxy)-7-methyl-3-(2,4,6-trimethylphenyl)-, cis- (9CI) (CA INDEX NAME)

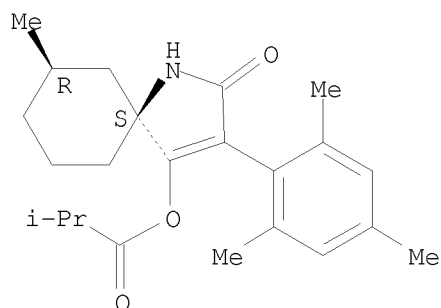
Relative stereochemistry.



RN 158866-37-6 ZCAPLUS

CN Propanoic acid, 2-methyl-, 7-methyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, cis- (9CI) (CA INDEX NAME)

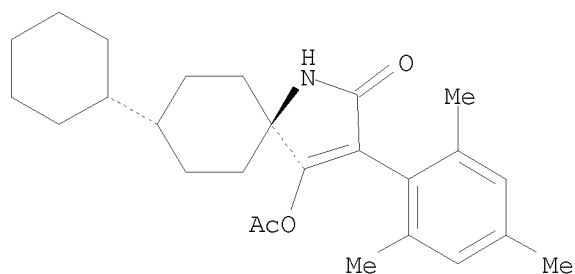
Relative stereochemistry.



RN 158866-38-7 ZCAPLUS

CN 1-Azaspiro[4.5]dec-3-en-2-one, 4-(acetyloxy)-8-cyclohexyl-3-(2,4,6-trimethylphenyl)-, trans- (9CI) (CA INDEX NAME)

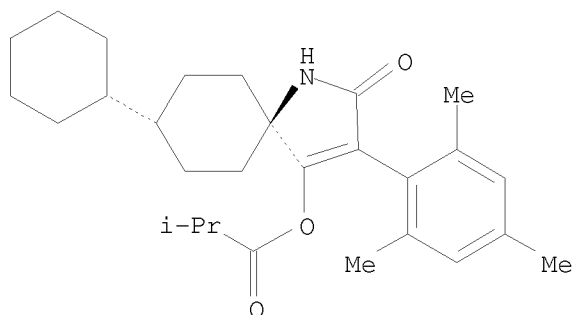
Relative stereochemistry.



RN 158866-39-8 ZCAPLUS

CN Propanoic acid, 2-methyl-, 8-cyclohexyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, trans- (9CI) (CA INDEX NAME)

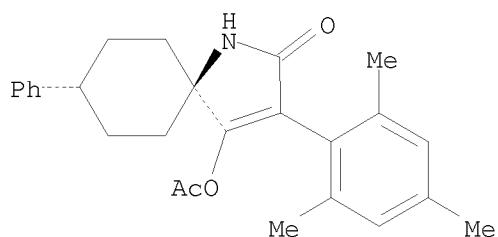
Relative stereochemistry.



RN 158866-40-1 ZCAPLUS

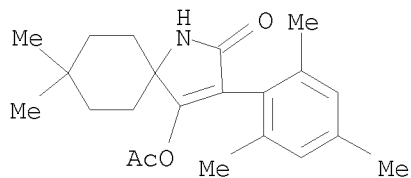
CN 1-Azaspiro[4.5]dec-3-en-2-one, 4-(acetyloxy)-8-phenyl-3-(2,4,6-trimethylphenyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



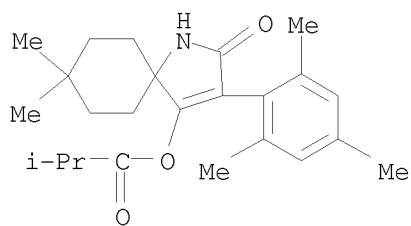
RN 158866-41-2 ZCAPLUS

CN 1-Azaspiro[4.5]dec-3-en-2-one, 4-(acetyloxy)-8,8-dimethyl-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)



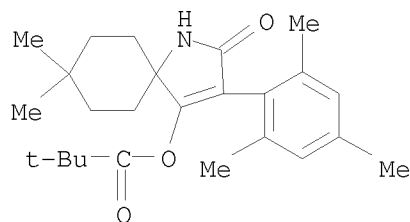
RN 158866-42-3 ZCAPLUS

CN Propanoic acid, 2-methyl-, 8,8-dimethyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)

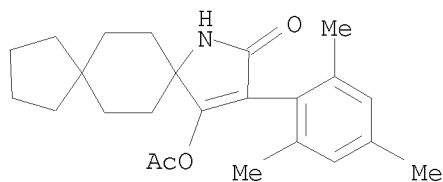


RN 158866-43-4 ZCAPLUS

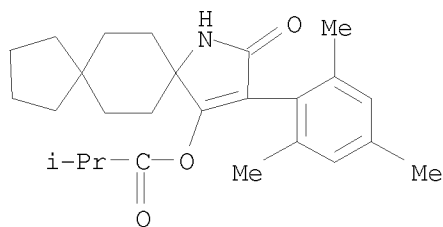
CN Propanoic acid, 2,2-dimethyl-, 8,8-dimethyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



RN 158866-44-5 ZCAPLUS
 CN 1-Azadispiro[4.2.4.2]tetradec-3-en-2-one,
 4-(acetyloxy)-3-(2,4,6-trimethylphenyl)- (CA INDEX NAME)

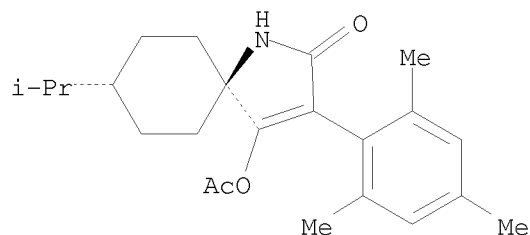


RN 158866-45-6 ZCAPLUS
 CN Propanoic acid, 2-methyl-, 2-oxo-3-(2,4,6-trimethylphenyl)-1-
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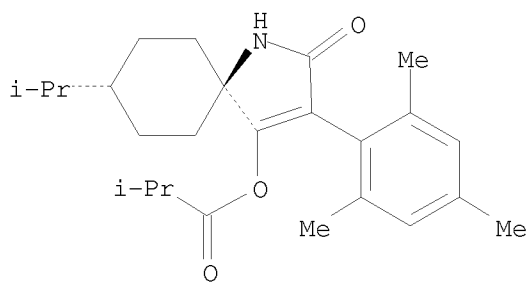
RN 158866-46-7 ZCAPLUS
 CN 1-Azaspiro[4.5]dec-3-en-2-one, 4-(acetyloxy)-8-(1-methylethyl)-3-(2,4,6-
 trimethylphenyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



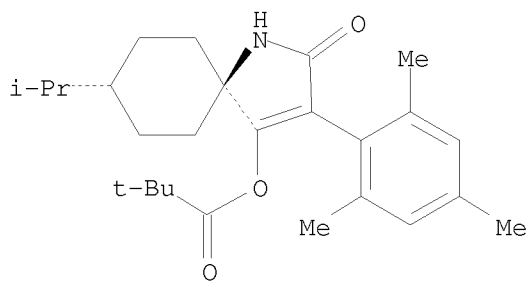
RN 158866-47-8 ZCAPLUS
 CN Propanoic acid, 2-methyl-, 8-(1-methylethyl)-2-oxo-3-(2,4,6-
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 INDEX NAME)

Relative stereochemistry.



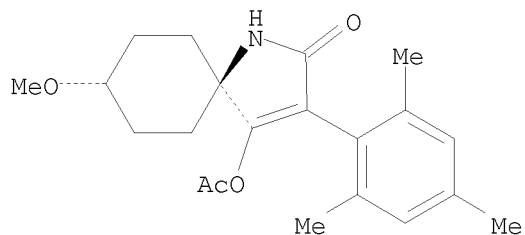
RN 158866-48-9 ZCAPLUS
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Relative stereochemistry.



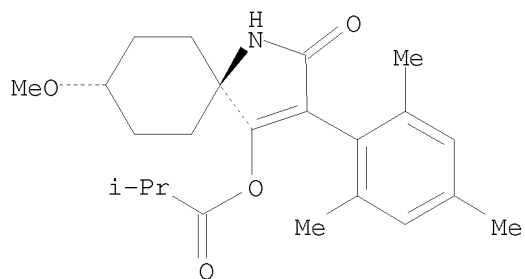
RN 158866-49-0 ZCAPLUS
 CN 1-Azaspiro[4.5]dec-3-en-2-one, 4-(acetyloxy)-8-methoxy-3-(2,4,6-trimethylphenyl)-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 158866-50-3 ZCAPLUS
 CN Propanoic acid, 2-methyl-, 8-methoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, trans- (9CI) (CA INDEX NAME)

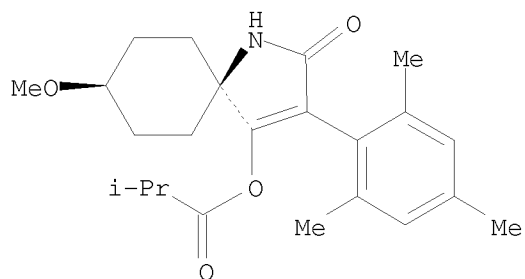
Relative stereochemistry.



RN 158866-51-4 ZCAPLUS

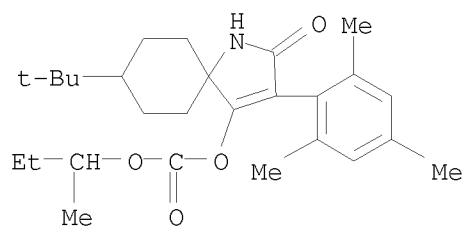
CN Propanoic acid, 2-methyl-, 8-methoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 158866-54-7 ZCAPLUS

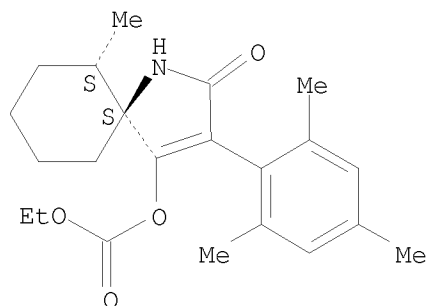
CN Carbonic acid, 8-(1,1-dimethylethyl)-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl 1-methylpropyl ester (CA INDEX NAME)



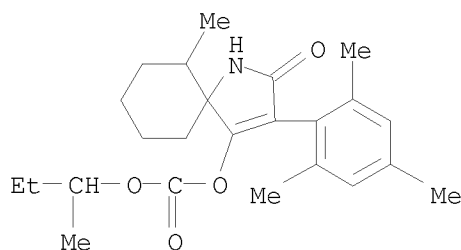
RN 158866-56-9 ZCAPLUS

CN Carbonic acid, ethyl 6-methyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, trans- (9CI) (CA INDEX NAME)

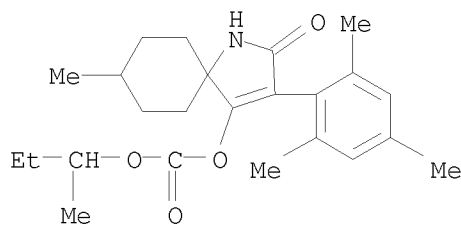
Relative stereochemistry.



RN 158866-57-0 ZCAPLUS
 CN Carbonic acid, 6-methyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl 1-methylpropyl ester (9CI) (CA INDEX NAME)

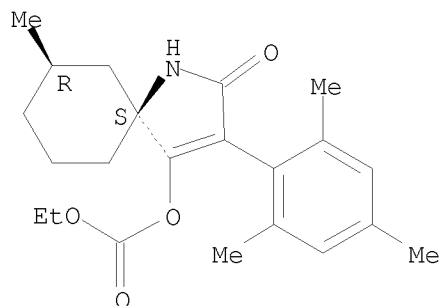


RN 158866-59-2 ZCAPLUS
 CN Carbonic acid, 8-methyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl 1-methylpropyl ester (9CI) (CA INDEX NAME)



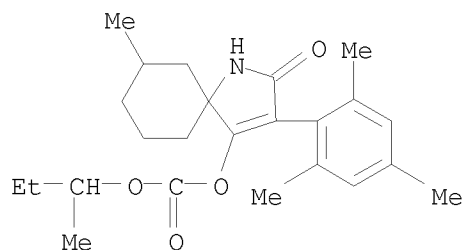
RN 158866-65-0 ZCAPLUS
 CN Carbonic acid, ethyl 7-methyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 158866-66-1 ZCAPLUS

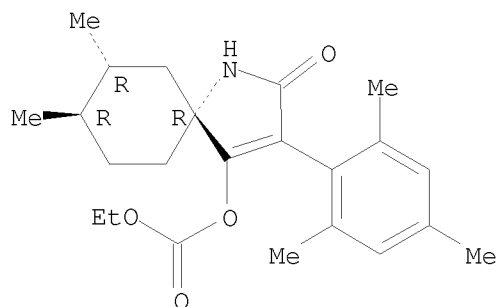
CN Carbonic acid, 7-methyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl 1-methylpropyl ester (9CI) (CA INDEX NAME)



RN 158866-70-7 ZCAPLUS

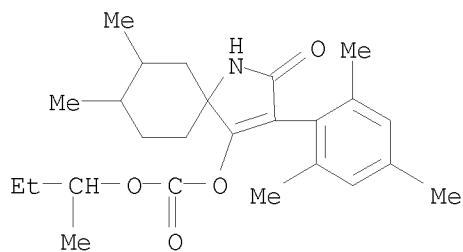
CN Carbonic acid, 7,8-dimethyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, (5 α ,7 α ,8 β)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 158866-71-8 ZCAPLUS

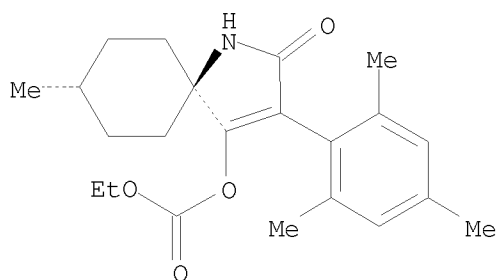
CN Carbonic acid, 7,8-dimethyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl 1-methylpropyl ester (CA INDEX NAME)



RN 158866-74-1 ZCAPLUS

CN Carbonic acid, ethyl 8-methyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, trans- (9CI) (CA INDEX NAME)

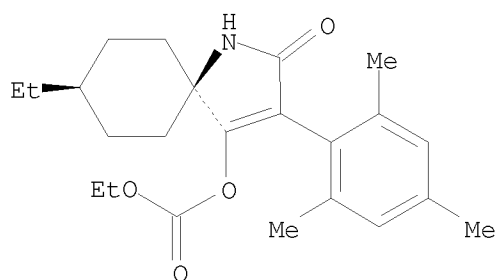
Relative stereochemistry.



RN 158866-77-4 ZCAPLUS

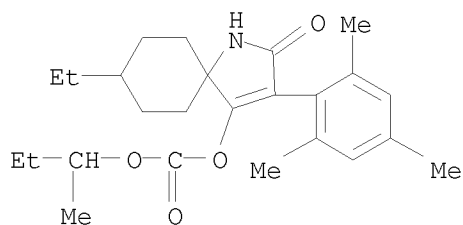
CN Carbonic acid, ethyl 8-ethyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



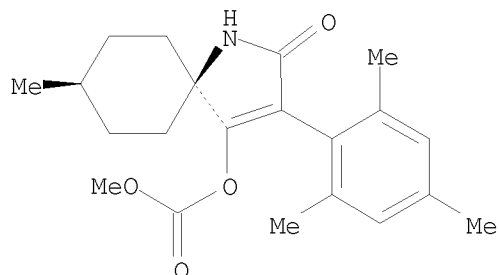
RN 158866-78-5 ZCAPLUS

CN Carbonic acid, 8-ethyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl 1-methylpropyl ester (CA INDEX NAME)



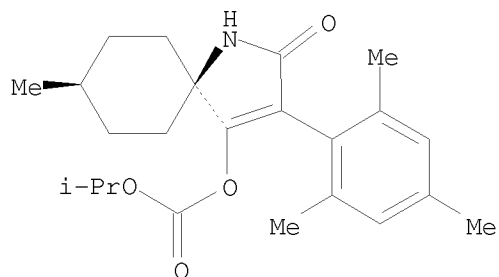
RN 158866-82-1 ZCAPLUS
 CN Carbonic acid, methyl 8-methyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.

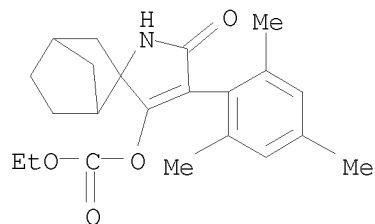


RN 158866-83-2 ZCAPLUS
 CN Carbonic acid, 1-methylethyl 8-methyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, cis- (9CI) (CA INDEX NAME)

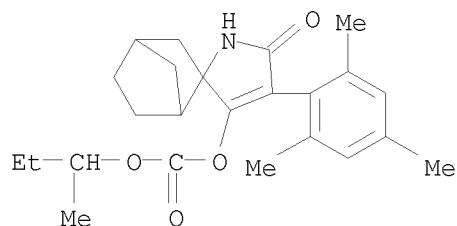
Relative stereochemistry.



RN 158866-84-3 ZCAPLUS
 CN Carbonic acid, 1',5'-dihydro-5'-oxo-4'-(2,4,6-trimethylphenyl)spiro[bicyclo[2.2.1]heptane-2,2'-[2H]pyrrol]-3'-yl ethyl ester (9CI) (CA INDEX NAME)



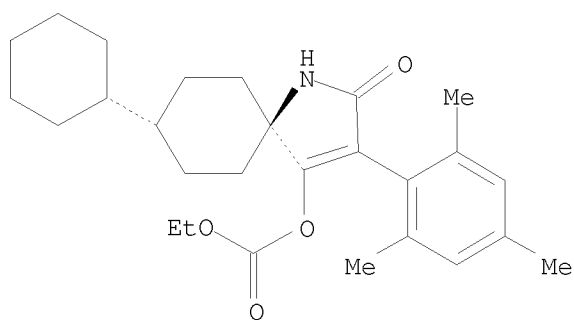
RN 158866-85-4 ZCAPLUS
 CN Carbonic acid, 1',5'-dihydro-5'-oxo-4'-(2,4,6-trimethylphenyl)spiro[bicyclo[2.2.1]heptane-2,2'-[2H]pyrrol]-3'-yl 1-methylpropyl ester (9CI) (CA INDEX NAME)



RN 158866-88-7 ZCAPLUS

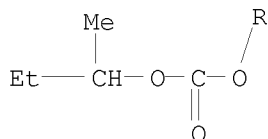
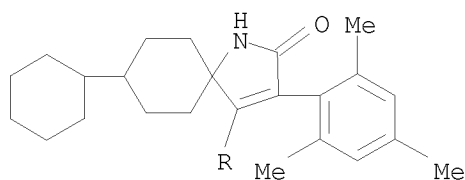
CN Carbonic acid, 8-cyclohexyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 158866-89-8 ZCAPLUS

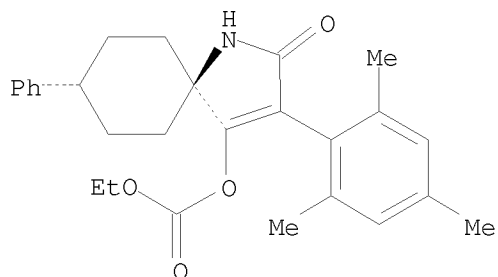
CN Carbonic acid, 8-cyclohexyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl 1-methylpropyl ester (CA INDEX NAME)



RN 158866-90-1 ZCAPLUS

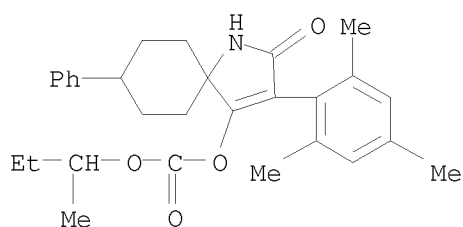
CN Carbonic acid, ethyl 2-oxo-8-phenyl-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



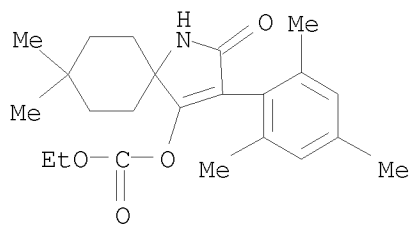
RN 158866-91-2 ZCAPLUS

CN Carbonic acid, 1-methylpropyl 2-oxo-8-phenyl-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester (CA INDEX NAME)



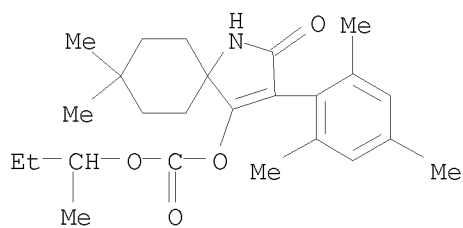
RN 158866-92-3 ZCAPLUS

CN Carbonic acid, 8,8-dimethyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ethyl ester (CA INDEX NAME)



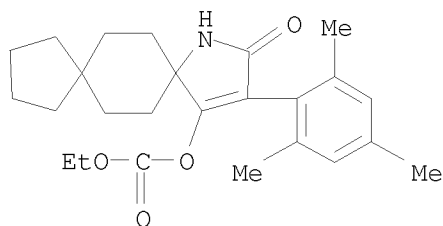
RN 158866-93-4 ZCAPLUS

CN Carbonic acid, 8,8-dimethyl-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl 1-methylpropyl ester (CA INDEX NAME)

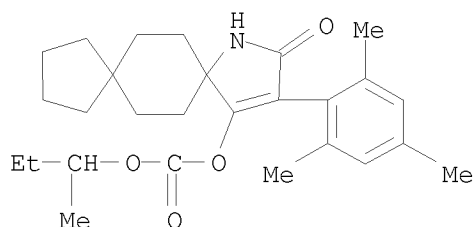


RN 158866-94-5 ZCAPLUS

CN Carbonic acid, ethyl 2-oxo-3-(2,4,6-trimethylphenyl)-1-azadispiro[4.2.4.2]tetradec-3-en-4-yl ester (CA INDEX NAME)

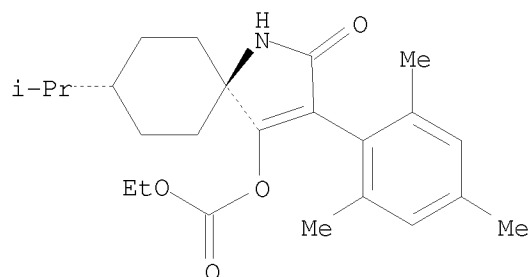


RN 158866-95-6 ZCAPLUS
 CN Carbonic acid, 1-methylpropyl 2-oxo-3-(2,4,6-trimethylphenyl)-1-azadispiro[4.2.4.2]tetradec-3-en-4-yl ester (CA INDEX NAME)

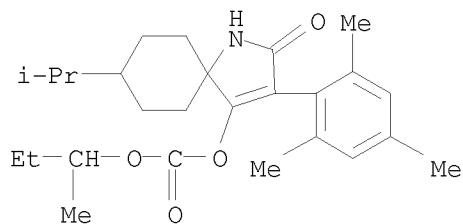


RN 158866-96-7 ZCAPLUS
 CN Carbonic acid, ethyl 8-(1-methylethyl)-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

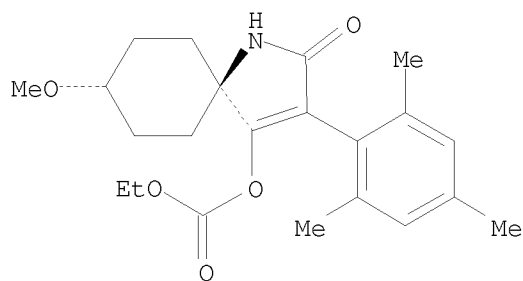


RN 158866-97-8 ZCAPLUS
 CN Carbonic acid, 8-(1-methylethyl)-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl 1-methylpropyl ester (9CI) (CA INDEX NAME)



RN 158866-98-9 ZCAPLUS
 CN Carbonic acid, ethyl 8-methoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, trans- (9CI) (CA INDEX NAME)

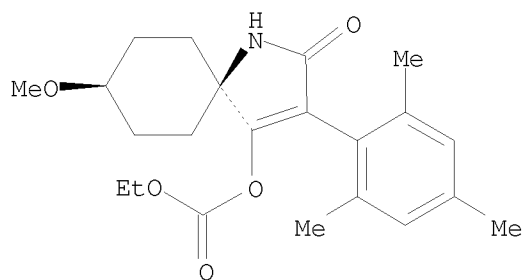
Relative stereochemistry.



RN 158866-99-0 ZCAPLUS

CN Carbonic acid, ethyl 8-methoxy-2-oxo-3-(2,4,6-trimethylphenyl)-1-azaspiro[4.5]dec-3-en-4-yl ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



OS.CITING REF COUNT: 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS RECORD (14 CITINGS)

L4 ANSWER 20 OF 20 ZCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1992:106083 ZCAPLUS

DOCUMENT NUMBER: 116:106083

ORIGINAL REFERENCE NO.: 116:17955a, 17958a

TITLE: Preparation of 4-acyloxy-3-phenyl-3-pyrrolin-2-ones and analogs as acaricides, herbicides, and insecticides

INVENTOR(S): Krauskopf, Birgit; Luerksen, Klaus; Santel, Hans Joachim; Schmidt, Robert R.; Wachendorff-Neumann, Ulrike; Fischer, Reiner; Erdelen, Christoph

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: Eur. Pat. Appl., 114 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 456063	A2	19911113	EP 1991-106870	19910427
EP 456063	A3	19920708		
EP 456063	B1	19970122		
R: BE, CH, DE, ES, FR, GB, GR, IT, LI, NL				
DE 4107394	A1	19911114	DE 1991-4107394	19910308
ES 2096599	T3	19970316	ES 1991-106870	19910427

US 5258527	A	19931102	US 1991-693205	19910430
CA 2041939	A1	19911111	CA 1991-2041939	19910507
ZA 9103492	A	19920226	ZA 1991-3492	19910508
JP 04226957	A	19920817	JP 1991-131683	19910508
JP 3070972	B2	20000731		
BR 9101915	A	19911217	BR 1991-1915	19910509
AU 9176491	A	19911205	AU 1991-76491	19910510
AU 635421	B2	19930318		

PRIORITY APPLN. INFO.:

DE 1990-4014941	A	19900510
DE 1991-4107394	A	19910308

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

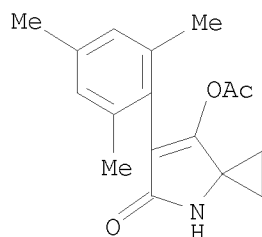
OTHER SOURCE(S): CASREACT 116:106083; MARPAT 116:106083

IT 139037-16-4P 139037-17-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as acaricide, insecticide, and herbicide)

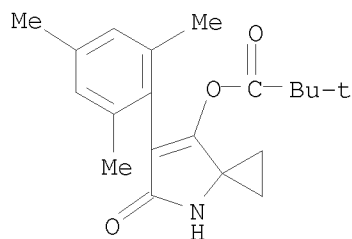
RN 139037-16-4 ZCAPLUS

CN 4-Azaspiro[2.4]hept-6-en-5-one, 7-(acetyloxy)-6-(2,4,6-trimethylphenyl)-
(CA INDEX NAME)



RN 139037-17-5 ZCAPLUS

CN Propanoic acid, 2,2-dimethyl-, 5-oxo-6-(2,4,6-trimethylphenyl)-4-
azaspiro[2.4]hept-6-en-7-yl ester (CA INDEX NAME)



OS.CITING REF COUNT: 14 THERE ARE 14 CAPLUS RECORDS THAT CITE THIS
RECORD (16 CITINGS)

=> d his

(FILE 'HOME' ENTERED AT 13:24:17 ON 10 DEC 2009)

FILE 'REGISTRY' ENTERED AT 13:43:19 ON 10 DEC 2009

L1 STRUCTURE UPLOADED

L2 9 S SAM SSS L1

L3 171 S L1 FULL SSS

FILE 'ZCAPLUS' ENTERED AT 13:52:41 ON 10 DEC 2009

L4 20 S L3

=> exit

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

80.53

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